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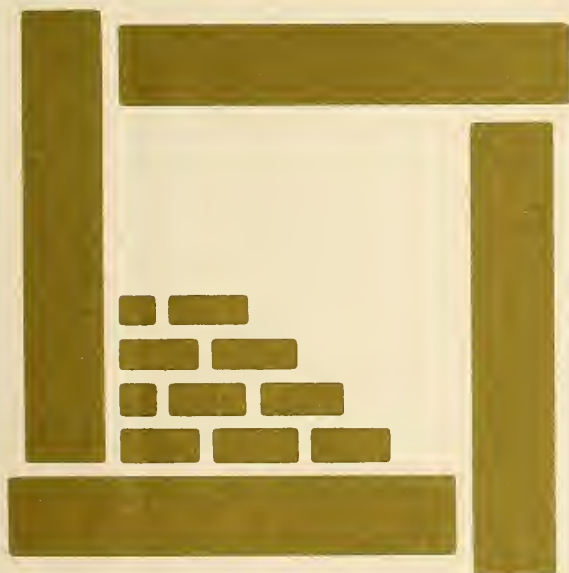
Census of Construction Industries

CC82-A-1

GEOGRAPHIC AREA SERIES

New England States

Connecticut, Maine,
Massachusetts, New Hampshire,
Rhode Island, Vermont



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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

Census
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HD
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Issued April 1985



U.S. Department of Commerce

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Economic and Agriculture Censuses

CONSTRUCTION DIVISION

Leonora M. Gross, Chief

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A. William Visnansky supervised the preparation of this report. Barbara J. Hadden, Edward R. Glover, Otto G. Ricci, Marie Rustin-Sanhueza, and Shirley M. Baker made important contributions in such areas as developing specifications, procedures, and resolving problems.

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New England States

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ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.



FINAL REPORT
GEOGRAPHIC AREA SERIES

1982 Census of Construction Industries

CC82-A-1 to 10
Changed October 1986

CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



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Chapter 10

Quantitative Analysis



State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

METHOD OF ACCOUNTING AND TIME COVERED

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

Construction on their own account, for sale—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

Subdividers and developers, except cemeteries—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

Employer Firms

Developing the sampling frame for employer firms—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

Selecting the employer sample—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

Estimation procedures for 1982 and 1977 data—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum_{i=1}^{n_c} x_i}{n_c}$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

Nonemployer Firms

General—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

Qualifications to the nonemployer data—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSA's and SMSA's.

DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction ¹	By SCSA and SMSA ²
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—structures, machinery and equipment	5					
Depreciation charges during the year— structures, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New structures—machinery and equipment	5					
Used structures—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	1, 3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—March	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during the year:						
All	1			2		
With payroll	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll	1			2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels— payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments	1			2		
Establishments with payroll	1, 4			2		
Establishments without payroll	1			2		
Ratios, industry	11	11				
Receipts:						
All business receipts:						
All establishments	1			2		
Establishments with payroll	1, 4		7	2, 8		
Establishments without payroll	1			2		
Construction receipts, total	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others	4					
Other business receipts and land receipts	4					
Net construction receipts	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For structures	4					
Repairs to structures and related facilities	4					
Repairs to machinery and equipment	4					
Storage capacity for fuels ³	4					
Subcontract work to others, payments for	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

²SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

³Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

Connecticut

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SUMMARY OF FINDINGS

During 1982, 19,033 establishments in Connecticut operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$4.7 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 11,831 establishments in this State with no payroll accounted for about 11 percent of all business receipts for all construction establishments in Connecticut. On the other hand, 7,202 establishments classified as "employers" accounted for 89 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$4.2 billion, of which \$4.1 billion were receipts for construction work. These establishments paid \$945 million for construction work subcontracted to others, leaving net construction receipts of about \$3.1 billion. Value added for these establishments amounted to \$2.0 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Connecticut paid \$1.1 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$82.0 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Connecticut was 61.2 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 17.8 million hours, while hours worked during the third quarter were 22.3 million hours.

Total payroll for 1982 was \$1.2 billion. Payments of \$222 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Connecticut are based on a sample of about 2,800 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers	19 033	13 968	61 233	4 711 061	11 831	11 711	517 417	7 202	2 257	61 233	4 193 644	1	1
	Construction industries ¹	18 764	13 767	60 911	4 620 640	11 619	11 513	449 680	7 145	2 254	60 911	4 170 960	1	1
	General building contractors and operative builders	3 937	2 432	12 736	1 503 941	2 199	2 033	184 476	1 738	399	12 736	1 319 465	3	2
	Heavy construction, general contractors	795	549	15 424	966 350	458	465	25 693	337	84	15 424	940 657	1	1
17	Special trade contractors	14 032	10 786	32 751	2 150 349	8 962	9 015	239 511	5 070	1 771	32 751	1 910 838	2	2
1711	Plumbing, heating, and air conditioning	1 869	1 174	7 151	525 966	904	898	33 045	965	276	7 151	492 921	3	2
1731	Electrical work	1 414	922	5 452	366 712	736	728	20 733	678	194	5 452	345 979	3	3
6552	Subdividers and developers, n.e.c. ²	263	199	(S)	(S)	212	198	67 737	51	(S)	(S)	(S)	-	-
15,16, 17	1977													
	Construction industries and subdividers and developers	17 343	13 598	50 517	2 920 906	9 870	10 049	297 036	7 473	3 549	50 517	2 623 870	1	1
	Construction industries ¹	17 143	13 391	50 379	2 877 647	9 712	9 845	270 752	7 431	3 546	50 379	2 606 895	1	1
	General building contractors and operative builders	4 051	2 898	12 577	1 183 959	1 872	1 847	133 577	2 179	1 051	12 577	1 050 382	3	2
	Heavy construction, general contractors	669	370	10 521	577 112	246	247	7 596	423	123	10 521	569 516	1	1
17	Special trade contractors	12 423	10 124	27 281	1 116 576	7 594	7 751	129 579	4 829	2 373	27 281	986 997	2	1
1711	Plumbing, heating, and air conditioning	1 766	1 262	5 743	291 973	807	826	19 046	959	436	5 743	272 927	3	3
1731	Electrical work	1 164	845	3 651	144 003	572	573	9 605	592	272	3 651	134 398	4	4
6552	Subdividers and developers, n.e.c. ²	204	207	141	43 264	158	204	26 284	46	3	141	16 980	19	22

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	19 033	13 968	61 233	4 711 061	11 831	11 711	517 417	7 202	2 257	61 233	4 193 644	1	1
\$10,000,000 or more	41	2	18 206	12 517	1	—	(D)	40	2	18 206	(D)	(W)	—
\$5,000,000 to \$9,999,999	69	—	4 038	1 942 062	3	—	16 464	66	—	4 038	1 925 598	(W)	(W)
\$2,500,000 to \$4,999,999	119	8	4 673	(D)	4	6	15 653	115	2	4 673	(D)	(W)	—
\$1,000,000 to \$2,499,999	432	42	7 945	1 049 540	29	22	43 381	403	*20	7 945	1 006 159	2	2
\$500,000 to \$999,999	710	110	7 139	489 837	65	56	44 889	645	54	7 139	444 948	4	4
\$250,000 to \$499,999	1 202	322	6 638	416 533	166	150	56 401	1 036	172	6 638	360 132	5	5
\$100,000 to \$249,999	2 594	1 230	7 475	412 346	649	594	95 638	1 945	636	7 475	316 708	4	4
\$50,000 to \$99,999	2 705	2 062	2 845	191 919	1 317	1 355	89 975	1 388	707	2 845	101 944	6	5
\$25,000 to \$49,999	2 853	2 467	1 301	102 041	2 103	2 126	73 720	750	341	1 301	28 321	8	7
Less than \$25,000	8 307	7 724	971	78 611	7 494	7 402	68 779	813	322	971	9 832	7	7
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	3 190	3 160	50 795	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 832	1 810	12 541	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 550	1 536	4 521	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	922	896	922	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	17 343	13 598	50 517	2 920 906	9 870	10 049	297 036	7 473	3 549	50 517	2 623 870	1	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	63	8	12 396	(D)	1	2	(D)	62	6	12 396	866 743	1	(W)
\$2,500,000 to \$4,999,999	80	9	3 542	1 149 218	3	4	18 080	77	5	3 542	264 395	(W)	(W)
\$1,000,000 to \$2,499,999	290	31	5 888	440 488	5	4	6 477	285	27	5 888	434 011	2	4
\$500,000 to \$999,999	482	97	6 176	335 007	43	46	30 005	439	51	6 176	305 002	4	4
\$250,000 to \$499,999	913	273	6 534	312 412	117	112	40 112	796	161	6 534	272 300	3	4
\$100,000 to \$249,999	2 262	1 197	8 354	348 165	320	331	48 052	1 942	866	8 354	300 113	4	4
\$50,000 to \$99,999	2 323	1 707	4 167	164 495	619	661	42 062	1 704	1 046	4 167	122 433	6	6
\$25,000 to \$49,999	2 639	2 357	2 214	94 190	1 407	1 490	48 356	1 232	867	2 214	45 834	9	8
Less than \$25,000	8 291	7 920	(S)	76 931	7 355	7 399	63 892	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	3 580	3 363	912	57 244	2 930	2 987	46 036	650	376	912	11 208	14	12
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 817	1 829	12 349	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 661	1 653	4 790	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	947	930	717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	7 202	61 233	50 924	1 166 941	936 845	82 451	4 052 488	3 107 009
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 002	4 345	3 689	53 313	43 140	5 368	261 419	188 894
1522	Other residential buildings -----	79	723	564	13 247	9 531	1 019	101 791	42 857
1531	Operative builders -----	257	1 440	965	22 118	12 707	1 720	124 256	78 437
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	94	1 022	743	21 237	14 180	1 357	110 877	58 875
1542	Nonresidential buildings, n.e.c. -----	306	5 206	4 120	111 517	85 177	7 614	697 020	290 188
16	Heavy construction general contractors:								
1611	Highway and street construction -----	154	3 214	2 714	72 036	58 414	5 126	259 879	204 790
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	13	682	593	15 529	12 539	1 068	60 953	46 167
1623	Water, sewer, and utility lines -----	105	1 238	1 046	23 663	18 561	1 890	72 833	64 694
1629	Heavy construction, n.e.c. -----	65	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	965	7 151	5 565	152 233	116 170	9 614	470 383	412 657
1721	Painting, paper hanging, and decorating -----	528	2 090	1 873	26 459	23 382	2 741	70 872	66 303
1731	Electrical work -----	678	5 452	4 340	116 822	94 638	7 330	344 373	339 277
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	318	1 373	1 250	19 717	17 762	1 894	54 310	52 173
1742	Plastering, drywall, and insulation work -----	213	2 164	1 813	41 850	33 943	2 934	115 386	108 072
1743	Terrazzo, tile, marble, and mosaic work -----	41	167	148	2 885	2 541	249	9 639	9 504
175	Carpentering and flooring:								
1751	Carpentering -----	690	2 477	2 164	28 887	24 468	3 162	97 612	84 847
1752	Floor laying and other floorwork -----	110	605	484	9 406	6 542	734	34 799	32 976
1761	Roofing and sheet metal work -----	330	2 657	2 206	45 689	34 477	3 013	152 484	142 011
1771	Concrete work -----	343	2 032	1 807	33 550	29 130	3 001	104 364	97 736
1781	Water well drilling -----	42	191	152	1 743	1 503	208	9 430	9 336
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	39	867	674	21 104	15 951	1 213	82 674	71 180
1793	Glass and glazing work -----	39	306	235	5 035	3 469	347	16 742	16 589
1794	Excavating and foundation work -----	376	2 118	1 821	38 673	32 077	3 136	137 722	124 428
1795	Wrecking and demolition work -----	10	116	95	2 498	2 018	169	7 458	7 364
1796	Installing building equipment, n.e.c. -----	81	1 301	1 134	24 258	20 670	1 851	81 174	77 067
1799	Special trade contractors, n.e.c. -----	267	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	51	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$16,124.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 027 595	1 196 539	945 478	55 718	58 576	706 898	50 517	2 533 900	1 194 620	1	1	3	15,16, 17
												15
106 320	85 449	72 525	2 368	3 492	32 081	5 404	272 591	112 743	7	5	11	152
27 886	15 949	58 934	886	1 524	9 328	391	39 974	6 437	4	5	19	1521
												1522
39 033	40 974	45 819	505	1 158	49 262	2 005	283 399	95 840	7	8	9	1531
38 449	22 344	52 001	453	584	11 222	1 574	125 258	40 236	7	5	8	154
185 836	104 989	406 831	6 127	5 500	57 690	3 203	281 696	51 632	2	2	5	1541
												1542
												16
164 810	(D)	55 089	8 538	6 139	121 831	3 471	224 293	110 623	2	2	4	1611
18 418	28 256	14 786	1 393	1 047	13 308	(D)	(D)	(D)	(W)	(W)	(W)	162
42 568	22 478	8 139	2 977	3 095	37 964	2 241	95 318	52 094	7	5	7	1622
(D)	(D)	84 658	(D)	3 399	45 811	4 402	214 793	147 116	-	-	3	1623
												1629
												17
263 047	172 147	57 726	4 854	4 956	60 248	5 743	268 540	137 349	3	2	4	1711
51 081	15 458	4 569	683	1 246	7 829	1 822	37 010	27 722	7	7	13	1721
195 638	145 244	5 096	1 663	3 926	48 346	3 651	132 769	75 903	3	3	7	1731
34 586	17 621	2 136	657	1 082	9 928	1 801	40 877	25 837	7	7	13	174
70 363	40 456	7 314	928	1 816	12 627	1 926	68 490	37 863	6	4	7	1741
5 200	4 316	134	*61	51	488	151	4 665	2 697	25	25	28	1742
												1743
54 588	31 116	12 764	894	930	12 445	2 160	54 329	34 625	6	6	10	175
16 251	17 725	1 823	275	384	2 805	536	20 048	10 941	12	12	22	1751
												1752
83 832	60 087	10 472	1 646	2 591	19 333	2 920	94 649	51 809	5	4	11	1761
61 905	38 161	6 628	2 111	2 524	27 067	1 309	42 262	26 027	6	6	10	1771
5 645	(D)	94	58	*148	3 088	239	9 060	5 679	27	27	54	1731
32 715	39 242	11 493	853	1 067	12 426	(D)	(D)	(D)	6	4	25	179
8 390	9 669	153	313	375	2 377	261	9 447	5 697	16	13	12	1791
90 202	35 950	13 293	4 637	8 649	71 837	1 803	59 346	41 222	6	6	12	1793
6 669	862	94	592	(D)	3 275	160	5 280	4 847	(W)	(W)	-	1794
62 627	14 493	4 107	1 646	625	7 007	712	29 352	22 852	4	3	5	1795
(D)	(D)	(D)	(D)	(D)	(D)	1 731	51 863	32 463	-	-	-	1796
												1799
(S)	(S)	(S)	(S)	(S)	(S)	141	11 374	4 121	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	7 202	7 473	7 962	7 017	2	3	3	3
Number of establishments in business at end of year	7 024	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 257	3 549	4 075	4 360	4	5	5	5
All employees**	61 233	50 517	61 503	54 656	1	1	2	1
Construction workers:								
March	44 996	32 607	41 421	39 531	1	1	2	1
May	52 721	43 386	49 903	46 846	1	1	2	1
August	53 022	46 053	56 421	52 768	1	1	2	1
November	49 970	44 908	53 263	47 964	1	1	2	1
Average	50 924	41 805	51 038	46 812	1	1	2	1
Other employees:								
March	10 273	8 287	9 806	7 826	2	2	3	2
Construction worker hours (thousands):								
January to March	17 802	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	21 452	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	22 287	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	20 909	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	82 451	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 166 941	678 317	679 359	433 838	1	1	2	1
Payroll, construction workers	936 845	537 336	553 120	359 931	1	1	2	1
Payroll, other employees	230 095	140 981	126 239	74 057	1	1	2	2
First quarter payroll, all employees	251 917	131 837	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	221 813	130 036	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	169 002	78 092	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	52 810	51 945	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	4 193 644	2 623 870	2 380 659	1 581 325	1	1	2	1
Total construction receipts	4 052 488	2 533 900	2 330 673	1 520 735	1	1	2	1
Receipts for work subcontracted in from others	985 636	527 921	621 551	315 751	2	1	2	2
Land receipts ¹	24 031	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
Other business receipts	117 125	89 970	49 986	61 377	1	4	12	4
Net construction receipts†	3 107 009	1 979 826	1 752 627	1 135 311	1	1	2	1
Value added††	2 027 595	1 194 620	1 141 767	742 816	1	1	2	1
Selected payments	2 142 018	1 392 047	1 224 815	823 580	1	1	2	2
Materials, components, and supplies ²	1 114 575	793 382	646 769	438 508	1	1	2	2
Construction work subcontracted to others	945 478	554 074	578 046	385 475	1	2	3	2
Selected power, fuels, and lubricants	81 964	44 591	(NA)	(NA)	2	2	(NA)	(NA)
Electricity	12 311	5 630	(NA)	(NA)	2	3	(NA)	(NA)
Natural gas	2 518	1 664	(NA)	(NA)	4	7	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	61 417	31 211	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	5 717	6 087	(NA)	(NA)	4	5	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 751	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	55 718	33 890	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment	42 891	27 169	22 283	18 492	2	1	4	2
For structures	12 827	6 721	(NA)	(NA)	3	3	(NA)	(NA)
Selected purchased services	61 807	44 625	(NA)	(NA)	2	2	(NA)	(NA)
Communication services	18 525	13 142	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	3 356	2 101	(NA)	(NA)	4	6	(NA)	(NA)
Repairs to machinery and equipment	39 925	29 382	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	4 052 488	2 533 900	2 330 673	1 520 735	1	1	2	1
Government owned	846 191	509 312	712 044	403 303	3	1	2	2
Privately owned	3 206 297	2 024 588	1 618 629	1 117 432	1	1	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	682 455	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	58 576	53 671	49 537	29 632	3	3	4	3
New -----	42 873	44 774	39 616	24 752	4	3	4	3
Used -----	15 702	8 898	9 921	4 880	6	6	13	6
Retirements and disposition of depreciable assets -----	34 133	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	706 898	457 049	427 753	(NA)	2	2	4	(NA)
Depreciation charges during year -----	81 882	39 961	41 922	(NA)	2	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	130 884	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	6 152	7 514	6 606	4 133	3	14	17	8
New structures and related facilities -----	4 725	6 782	3 729	3 334	3	11	2	8
Used structures and related facilities -----	1 427	732	2 877	799	6	17	33	9
Retirements and disposition of depreciable assets -----	*6 107	(NA)	(NA)	(NA)	52	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	130 930	94 814	82 392	(NA)	3	4	16	(NA)
Depreciation charges during year -----	10 346	4 375	3 928	(NA)	3	4	14	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	551 570	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	52 423	46 158	42 931	25 499	4	5	8	5
New machinery and equipment, including automobiles and trucks -----	38 148	37 992	35 887	21 418	5	3	4	3
New automobiles and trucks, intended primarily for highway use -----	18 505	17 139	(NA)	(NA)	5	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	14 275	8 166	7 044	4 081	7	7	12	7
Retirements and disposition of depreciable assets -----	28 026	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	575 967	362 235	345 361	(NA)	2	1	2	(NA)
Depreciation charges during year -----	71 536	35 586	37 994	(NA)	3	2	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	7 202	2
Total construction receipts	4 052 488	1
Establishments with inventories:		
Number	1 842	8
Total construction receipts	2 031 681	1
Inventories ¹ :		
End of 1982, total	93 651	7
Value for establishments with LIFO reserve	1 737	8
Amount of LIFO reserve	589	9
Value for establishments with no LIFO reserve	91 914	7
End of 1981, total	88 808	6
Value for establishments with LIFO reserve	1 676	6
Amount of LIFO reserve	366	15
Value for establishments with no LIFO reserve	87 132	6
Establishments with no inventories:		
Number	5 360	2
Total construction receipts	2 020 807	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	7 202	4 737	1 337	671	335	87	22	7	2	3
All employees**	61 233	9 662	8 843	8 901	9 776	5 804	3 405	2 665	12 176	(D)
Payroll, all employees	1 166 941	111 177	132 096	156 466	192 354	135 269	85 907	99 335	(D)	254 336
Construction worker hours (thousands)	82 451	12 112	11 054	11 502	12 923	8 359	5 132	6 377	(D)	14 990
All business receipts	4 193 644	528 803	497 570	589 276	2 577 994	(D)	(D)	(D)	(D)	(D)
Total construction receipts	4 052 488	516 791	483 059	577 001	701 154	554 019	334 704	350 634	(D)	535 125
Net construction receipts†	3 107 009	435 291	409 672	452 405	531 596	370 998	234 673	231 856	(D)	440 518
Value added††	2 027 595	247 212	257 354	276 406	337 146	249 055	121 159	175 645	(D)	363 617
Payments for materials, components, supplies, and fuels	1 196 539	192 760	159 653	184 679	208 434	138 539	116 183	196 290	(D)	(D)
Payments for construction work subcontracted to others	945 478	81 500	73 387	124 596	169 558	183 021	100 031	118 778	(D)	94 607
Rental payments for machinery, equipment, and structures	55 718	4 469	6 422	6 110	8 802	4 248	9 741	1 149	14 776	(D)
Capital expenditures, other than land	58 576	9 172	10 032	10 123	11 344	7 600	3 824	1 485	4 994	(D)
End-of-year gross book value of depreciable assets	706 898	121 545	107 085	119 622	119 803	58 723	52 450	44 362	83 306	(D)
1977										
All employees**	50 517	10 171	8 915	8 009	7 802	4 239	2 854	3 883	4 646	(D)
Total construction receipts	2 533 900	476 680	366 090	378 123	434 067	251 473	169 393	225 662	232 413	(D)
Value added††	1 194 620	213 237	177 748	186 773	193 979	123 808	144 626	(D)	154 449	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	4	3	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	3	4	3	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	3	11	14	9	3	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	7 202	813	750	1 388	1 945	1 036	645	403	115	66	40
All employees** -----	61 233	971	1 301	2 845	7 475	6 638	7 139	7 945	4 673	4 038	18 206
Payroll, all employees -----	1 166 941	3 051	8 508	26 436	88 255	101 010	122 000	163 373	107 240	97 505	449 560
Construction worker hours (thousands) -----	82 451	816	1 258	3 349	9 319	8 645	9 461	10 530	6 355	6 004	26 710
All business receipts -----	4 193 644	9 832	28 321	101 944	316 708	360 132	444 948	1 006 159	(D)	1 925 598	(D)
Total construction receipts -----	4 052 488	9 662	28 109	101 088	311 551	350 287	435 723	589 944	387 211	440 690	1 398 222
Net construction receipts† -----	3 107 009	8 738	26 043	93 087	276 712	305 835	367 293	469 592	302 245	301 269	956 194
Value added†† -----	2 027 595	5 273	16 060	56 594	167 079	186 066	221 570	286 577	200 988	191 597	695 788
Payments for materials, components, supplies, and fuels -----	1 196 539	3 603	10 079	36 996	112 808	125 671	150 558	193 560	111 233	114 265	337 763
Payments for construction work subcontracted to others -----	945 478	924	2 066	8 001	34 839	44 452	68 429	120 352	84 966	139 421	442 028
Rental payments for machinery, equipment, and structures -----	55 718	163	247	940	2 793	3 917	5 667	7 919	4 140	4 201	25 728
Capital expenditures, other than land -----	58 576	165	574	1 619	6 334	7 267	9 210	10 074	6 517	6 240	10 573
End-of-year gross book value of depreciable assets -----	706 898	3 878	7 605	23 673	76 204	80 004	99 624	115 303	61 859	56 336	182 408
1977											
All employees** -----	50 517	(S)	2 214	4 167	8 354	6 534	6 176	5 888	3 542	112 396	(NA)
Total construction receipts -----	2 533 900	(S)	45 348	120 470	293 315	263 743	294 489	415 811	254 617	1 833 187	(NA)
Value added†† -----	1 194 620	(S)	26 075	67 864	149 258	133 413	140 906	191 197	109 058	1 370 094	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	7	8	6	4	5	4	2	(W)	(W)	(W)
Net construction receipts† -----	1	7	7	5	4	5	5	2	(W)	(W)	(W)
Capital expenditures, other than land -----	3	33	25	17	11	14	11	10	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C			
1982						
Total construction receipts†	4 052 488	3 142 850	909 637	1	1	2
Building construction	2 786 333	2 224 554	561 779	1	1	2
Single-family houses	671 390	505 267	166 122	3	4	4
Single-family houses, detached	561 405	412 718	148 687	4	4	4
Single-family houses, attached	109 984	92 549	17 435	7	8	8
Apartment buildings with two or more apartments	186 754	143 817	42 937	3	3	5
Other residential buildings	94 116	81 925	12 191	2	2	6
Office and bank buildings	727 105	643 778	83 326	1	1	3
Office buildings	680 864	610 142	70 721	1	1	3
Bank buildings and other financial institutions	46 241	33 635	12 605	3	4	4
Industrial buildings and warehouses	477 070	348 268	128 801	2	2	2
Industrial buildings	416 310	298 571	117 738	2	2	3
Warehouses	60 760	49 697	11 063	4	4	6
Stores, restaurants, public garages, and automobile service stations	228 850	175 491	53 359	4	4	5
Religious buildings	35 689	21 914	13 775	9	9	19
Educational buildings	135 881	103 686	32 194	2	2	8
Hospitals and institutional buildings	163 036	143 463	19 572	3	2	5
Amusement, social, and recreational buildings	18 648	15 167	3 481	24	29	16
Other nonresidential buildings	47 794	41 778	6 021	3	3	11
Nonbuilding construction	983 736	687 094	296 641	1	1	2
Highways, streets, and related facilities	238 712	112 927	125 784	3	4	4
Bridges, tunnels, and elevated highways	76 094	62 932	13 162	2	2	2
Bridges and elevated highways	67 162	(D)	(D)	2	—	—
Tunnels	8 932	(D)	(D)	(W)	—	—
Power and communication transmission lines, towers, and related facilities	29 276	23 047	6 229	9	9	23
Sewers, water mains, and related facilities	96 074	81 320	14 753	5	4	17
Sewers, sewer lines, and related facilities	71 882	62 986	8 895	6	5	19
Water mains and related facilities	24 192	18 333	5 858	12	9	30
Sewage treatment and water treatment plants	26 002	24 179	1 822	2	2	16
Sewage treatment plants	21 486	20 490	996	1	1	25
Water treatment plants	4 515	3 689	826	10	12	17
Heavy industrial facilities	459 845	(D)	(D)	(W)	—	—
Other nonbuilding construction	57 733	(D)	(D)	18	—	—
Construction work, n.s.k.	282 418	231 202	51 215	3	3	4
1977						
Total construction receipts†	2 533 900	1 989 721	544 178	1	1	2
Building construction	1 803 278	1 390 868	412 410	1	2	2
Single-family houses	769 363	612 878	156 485	3	3	4
Apartment buildings with two or more apartments	115 341	94 231	21 110	5	6	8
Other residential buildings	27 070	20 261	6 809	4	3	12
Office and bank buildings	147 256	113 390	33 866	2	2	6
Industrial buildings and warehouses	405 613	288 321	117 292	2	2	2
Stores, restaurants, public garages, and automobile service stations	95 872	69 693	26 179	8	10	6
Religious buildings	22 024	14 435	7 589	6	8	5
Educational buildings	116 203	94 036	22 167	1	1	3
Hospitals and institutional buildings	67 306	54 225	13 081	3	3	4
Amusement, social, and recreational buildings	23 780	20 871	2 909	4	5	4
Other nonresidential buildings	13 449	8 526	4 923	10	10	14
Nonbuilding construction	623 942	509 594	114 348	1	1	2
Highways, streets, and related facilities	203 126	174 400	28 726	2	1	5
Bridges, tunnels, and elevated highways	36 266	33 406	2 860	1	1	8
Power and communication transmission lines, towers, and related facilities	23 637	22 449	1 188	3	3	4
Sewers, water mains, and related facilities	91 635	81 725	9 910	3	2	10
Sewage treatment and water treatment plants	30 808	29 345	1 463	3	2	24
Heavy industrial facilities	155 398	104 404	50 994	(W)	(W)	(W)
Other nonbuilding construction	83 072	63 865	19 207	4	4	9
Construction work, n.s.k.	106 710	89 100	17 610	5	5	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	7 202	50 924	82 451	44 996	17 802	52 721	21 452
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	1 002	3 689	5 368	3 243	1 192	3 629	1 337
1522	Other residential buildings -----	79	564	1 019	549	256	552	256
1531	Operative builders -----	257	965	1 720	927	412	948	455
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	94	743	1 357	692	316	692	322
1542	Nonresidential buildings, n.e.c. -----	306	4 120	7 614	3 724	1 676	4 159	1 953
16	Heavy construction general contractors:							
1611	Highway and street construction -----	154	2 714	5 126	1 472	612	2 786	1 275
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	13	593	1 068	443	211	603	262
1623	Water, sewer, and utility lines -----	105	1 046	1 890	842	355	1 027	470
1629	Heavy construction, n.e.c. -----	65	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	965	5 565	9 614	5 254	2 443	5 284	2 285
1721	Painting, paper hanging, and decorating -----	528	1 873	2 741	1 388	539	1 979	740
1731	Electrical work -----	678	4 340	7 330	4 150	1 706	4 321	1 882
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	318	1 250	1 894	868	303	1 314	523
1742	Plastering, drywall, and insulation work -----	213	1 813	2 934	1 652	679	1 699	708
1743	Terrazzo, tile, marble, and mosaic work -----	41	148	249	145	63	138	63
175	Carpentering and flooring:							
1751	Carpentering -----	690	2 164	3 162	1 773	680	2 095	780
1752	Floor laying and other floorwork -----	110	484	734	422	163	493	179
1761	Roofing and sheet metal work -----	330	2 206	3 013	1 842	616	2 186	769
1771	Concrete work -----	343	1 807	3 001	1 093	475	2 045	848
1781	Water well drilling -----	42	152	208	129	45	139	47
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	39	674	1 213	664	291	659	299
1793	Glass and glazing work -----	39	235	347	235	81	226	80
1794	Excavating and foundation work -----	376	1 821	3 136	1 262	518	1 915	846
1795	Wrecking and demolition work -----	10	95	169	86	36	95	40
1796	Installing building equipment, n.e.c. -----	81	1 134	1 851	983	399	1 209	469
1799	Special trade contractors, n.e.c. -----	267	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	51	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
53 022	22 287	49 970	20 909	1	1	1	1	1	1	1	1	1	2	15,16, 17
														15
3 976 596	1 479 267	3 567 543	1 360 239	7 5	7 4	7 4	8 5	7 5	8 6	8 5	8 5	7 5	8 6	152 1521 1522
951	426	957	425	7	7	9	11	7	9	7	9	7	9	1531
800 4 327	377 2 079	743 4 165	342 1 905	7 2	7 2	7 2	8 2	7 2	8 2	8 2	8 2	7 2	8 2	154 1541 1542
														16
3 498	1 890	3 045	1 349	2	2	3	3	3	3	2	2	2	3	1611
														162
703 1 178 (D)	325 551 (D)	620 1 081 (D)	268 513 (D)	(W) 7 —	(W) 7 —	(W) 7 —	(W) 7 —	(W) 7 —	(W) 6 —	(W) 8 —	(W) 8 —	(W) 8 —	(W) 8 —	1622 1623 1629
														17
5 489	2 346	5 845	2 539	3	3	3	3	3	4	3	3	6	6	1711
2 177	839	1 647	622	7	8	9	11	8	10	8	10	8	11	1721
4 406	1 907	4 236	1 833	3	3	3	4	3	4	3	4	4	4	1731
														174
1 407 1 893 149	585 768 64	1 166 1 896 147	481 778 58	7 6 25	8 5 29	8 6 28	11 6 37	8 5 26	10 6 36	8 6 27	10 6 35	7 6 24	10 6 33	1741 1742 1743
														175
2 275 515	856 182	2 153 488	845 207	6 11	7 11	7 11	9 14	6 12	9 15	7 12	9 15	7 12	9 13	1751 1752
2 337	810	2 296	816	5	6	6	8	6	7	6	7	5	7	1761
1 968	866	1 904	811	6	6	8	9	6	7	7	7	7	7	1771
159	56	169	59	28	25	31	33	29	33	27	32	29	32	1781
														179
731 239	342 88	631 240	279 97	5 18	6 17	5 19	5 19	5 18	5 18	7 19	7 22	6 17	7 21	1791 1793
2 105	940	1 910	831	6	6	7	9	6	8	6	7	6	7	1794
101	48	95	43	(W) 4	(W) 4	(W) 4	(W) 6	(W) 6	(W) 5	(W) 4	(W) 5	(W) 4	(W) 5	1795
1 227 (D)	496 (D)	1 113 (D)	486 (D)	—	—	—	—	—	—	—	—	—	—	1796 1799
(S)	(S)	(S)	(S)	—	—	—	—	—	—	—	—	—	—	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	8.5	19.1	1.6	79.6	.288	.295	.233	.014	.014
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.3	12.3	1.5	70.9	.204	.327	.277	.013	.009
1522	Other residential buildings -----	9.2	18.3	1.8	180.5	.130	.157	.579	.015	.009
1531	Operative builders -----	5.6	15.4	1.8	128.8	.178	.330	.369	.009	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	10.9	20.8	1.8	149.2	.192	.202	.469	.005	.004
1542	Nonresidential buildings, n.e.c. -----	17.0	21.4	1.8	169.2	.160	.151	.584	.008	.009
16	Heavy construction general contractors:									
1611	Highway and street construction -----	20.9	22.4	1.9	95.8	.277	(D)	.212	.024	.033
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	52.5	22.8	1.8	102.8	.255	.464	.243	.017	.023
1623	Water, sewer, and utility lines -----	11.8	19.1	1.8	69.6	.325	.309	.112	.042	.041
1629	Heavy construction, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	7.4	21.3	1.7	84.5	.324	.366	.123	.011	.010
1721	Painting, paper hanging, and decorating -----	4.0	12.7	1.5	37.8	.373	.218	.064	.018	.010
1731	Electrical work -----	8.0	21.4	1.7	79.3	.339	.422	.015	.011	.005
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	4.3	14.4	1.5	43.4	.363	.324	.039	.020	.012
1742	Plastering, drywall, and insulation work -----	10.2	19.3	1.6	63.6	.363	.351	.063	.016	.008
1743	Terrazzo, tile, marble, and mosaic work -----	4.1	17.3	1.7	65.1	.299	.448	.014	.005	*.006
175	Carpentering and flooring:									
1751	Carpentering -----	3.6	11.7	1.5	45.1	.296	.319	.131	.010	.009
1752	Floor laying and other floorwork -----	5.5	15.5	1.5	71.9	.270	.509	.052	.011	.008
1761	Roofing and sheet metal work -----	8.1	17.2	1.4	69.1	.300	.394	.069	.017	.011
1771	Concrete work -----	5.9	16.5	1.7	57.8	.321	.366	.064	.024	.020
1781	Water well drilling -----	4.5	9.1	1.4	62.0	.185	(D)	.010	*.016	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	22.2	24.3	1.8	122.7	.255	.475	.139	.013	.010
1793	Glass and glazing work -----	7.8	16.5	1.5	71.2	.301	.578	.009	.022	.019
1794	Excavating and foundation work -----	5.6	18.3	1.7	75.6	.281	.261	.097	.063	.034
1795	Wrecking and demolition work -----	11.6	21.5	1.8	78.5	.335	.116	.013	(D)	.079
1796	Installing building equipment, n.e.c. -----	16.1	18.6	1.6	71.6	.299	.179	.051	.008	.020
1799	Special trade contractors, n.e.c. -----	6.3	14.3	1.6	64.3	.295	.342	.067	.019	.013
6552	Subdividers and developers, n.e.c. -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NEW YORK-NEWARK-JERSEY CITY, N.Y.-N.J.-CONN., SCSA											
	Construction industries and subdividers and developers..	26 975	262 748	4 982 549	19 294 312	14 831 348	9 516 824	5 575 932	4 462 964	233 321	1	(W)
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	3 380	15 176	192 293	965 730	698 830	398 885	319 975	266 900	13 453	3	3
1522	Other residential buildings	523	4 014	74 898	552 336	207 794	126 673	85 269	344 543	3 041	4	3
1531	Operative builders	702	3 824	68 418	486 091	273 122	163 842	116 170	212 969	4 078	5	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	353	5 037	106 229	601 143	309 717	204 805	112 400	291 427	3 459	3	3
1542	Nonresidential buildings, n.e.c.	1 218	18 463	412 759	3 328 156	1 236 114	804 511	453 561	2 092 042	19 431	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction	455	7 107	144 326	653 219	531 677	310 356	237 215	121 542	19 068	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	30	2 193	50 310	203 209	175 041	107 595	67 697	28 168	3 000	1	1
1623	Water, sewer, and utility lines	349	6 537	157 387	583 664	521 528	364 383	161 895	62 136	22 164	2	2
1629	Heavy construction, n.e.c.	331	15 994	360 348	1 192 496	963 018	642 497	346 602	229 478	14 744	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	4 281	36 441	749 632	2 554 701	2 221 305	1 371 139	879 853	333 396	28 741	2	1
1721	Painting, paper hanging, and decorating	1 933	10 949	173 826	452 280	424 065	333 573	91 513	28 215	5 525	3	2
1731	Electrical work	2 918	50 125	915 962	2 765 399	2 713 851	1 640 746	1 098 464	51 548	22 855	1	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	1 284	9 031	145 337	426 736	384 721	254 250	132 766	42 015	5 181	3	3
1742	Plastering, drywall, and insulation work	628	11 498	247 916	658 062	615 670	428 343	201 377	42 393	6 797	2	1
1743	Terrazzo, tile, marble, and mosaic work	265	2 244	32 822	104 677	99 604	57 710	42 602	5 074	1 019	6	5
175	Carpentering and flooring:											
1751	Carpentering	2 248	10 920	157 376	544 348	472 089	296 405	179 276	72 260	5 761	3	3
1752	Floor laying and other floorwork	472	2 778	46 618	156 333	144 979	86 653	61 203	11 354	1 911	5	5
1761	Roofing and sheet metal work	1 316	10 577	176 682	598 229	549 104	329 315	227 823	49 125	7 099	3	3
1771	Concrete work	1 010	9 389	179 734	604 975	561 447	349 498	223 892	43 528	10 607	3	2
1781	Water well drilling	57	476	8 836	31 086	30 738	18 614	12 260	348	*1 069	13	10
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	176	2 917	70 807	194 849	182 906	146 090	41 578	11 943	2 767	3	2
1793	Glass and glazing work	294	2 670	46 845	160 627	153 333	82 763	75 504	7 294	2 736	5	5
1794	Excavating and foundation work	787	5 185	97 024	364 373	323 016	232 974	97 885	41 357	11 959	4	3
1795	Wrecking and demolition work	105	1 879	28 970	78 798	73 629	67 101	9 820	5 169	2 829	2	2
1796	Installing building equipment, n.e.c.	296	6 163	162 297	466 473	449 976	343 816	112 859	16 497	4 301	1	1
1799	Special trade contractors, n.e.c.	1 367	9 895	158 768	514 081	477 026	324 198	173 351	37 055	8 776	3	3
6552	Subdividers and developers, n.e.c.	202	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	HARTFORD SMSA											
	Construction industries and subdividers and developers..	1 719	17 755	364 098	1 160 195	879 877	582 296	303 616	280 318	18 080	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	206	880	11 315	63 398	42 941	20 582	23 153	20 457	1 003	11	10
1522	Other residential buildings	24	318	5 086	38 849	14 290	8 381	6 190	24 559	232	2	1
1531	Operative builders	76	269	5 234	34 277	19 705	6 790	13 014	14 573	*188	20	16
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	12	125	2 781	17 098	9 000	4 210	(D)	8 098	(D)	11	7
1542	Nonresidential buildings, n.e.c.	78	1 760	33 930	218 985	85 715	60 850	25 066	133 270	1 307	4	4

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	HARTFORD SMSA—Con.											
15,16,17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	29	179	3 434	11 913	10 763	7 243	3 794	1 150	*667	18	26
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	32	329	7 313	21 861	18 194	12 257	6 015	3 667	750	17	5
1629	Heavy construction, n.e.c. -----	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning-----	239	1 949	33 918	108 060	94 274	49 341	46 378	13 786	1 882	10	6
1721	Painting, paper hanging, and decorating -----	105	558	7 030	17 880	17 356	13 454	3 909	524	306	16	16
1731	Electrical work -----	159	1 231	25 610	70 595	69 633	38 777	(D)	962	1 232	8	10
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	98	593	8 676	21 894	21 021	13 884	7 156	874	417	11	10
1742	Plastering, drywall, and insulation work -----	53	693	12 863	34 803	32 181	20 548	(D)	2 622	487	14	8
1743	Terrazzo, tile, marble, and mosaic work -----	*7	25	*423	*960	*960	*578	*382	-	-	40	47
175	Carpentering and flooring:											
1751	Carpentering -----	146	693	8 805	27 504	23 670	16 167	7 700	3 835	*209	12	11
1752	Floor laying and other floorwork-----	41	303	4 625	16 515	15 363	7 973	8 058	1 152	113	15	11
1761	Roofing and sheet metal work -----	76	654	11 621	41 128	38 808	22 363	16 571	2 321	643	7	6
1771	Concrete work -----	89	643	10 343	36 633	33 640	20 332	13 590	2 993	839	14	9
1781	Water well drilling -----	*6	23	340	*1 703	*1 681	*974	(D)	22	-	39	42
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	12	465	13 020	(D)	(D)	(D)	(D)	(D)	*820	4	-
1793	Glass and glazing work -----	16	90	1 390	5 470	5 452	1 842	3 675	(S)	*127	31	32
1794	Excavating and foundation work-----	79	754	14 345	48 805	44 669	30 487	(D)	4 136	3 466	6	5
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.-----	12	213	5 121	18 914	18 078	14 438	3 639	837	159	5	2
1799	Special trade contractors, n.e.c. -----	88	553	9 390	31 856	29 826	19 769	10 601	2 030	268	11	8
6552	Subdividers and developers, n.e.c. ---	16	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	NORWALK SMSA											
	Construction industries and subdividers and developers	358	1 732	31 030	114 492	93 791	59 942	35 037	20 701	2 000	8	7
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	72	282	4 300	19 454	13 492	9 247	4 286	5 962	*189	19	21
1522	Other residential buildings -----	*6	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1531	Operative builders -----	23	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1542	Nonresidential buildings, n.e.c. -----	17	137	3 023	12 758	6 933	4 102	2 832	5 825	183	13	10
16	Heavy construction general contractors:											
1611	Highway and street construction -----	9	105	2 139	6 663	6 298	4 101	2 299	*365	*87	30	28
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines -----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c. -----	-	-	-	-	-	-	-	-	-	-	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NORWALK SMSA—Con.											
15,16, 17	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	45	201	4 089	13 783	(D)	6 747	(D)	(D)	*149	16	-
1721	Painting, paper hanging, and decorating -----	30	90	*1 066	3 008	2 446	1 955	(D)	*562	40	35	34
1731	Electrical work -----	39	227	4 137	12 846	12 723	8 443	(D)	123	*322	24	21
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	*12	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1742	Plastering, drywall, and insulation work -----	*7	(D)	(D)	6 857	(D)	4 998	1 163	(D)	(D)	-	-
1743	Terrazzo, tile, marble, and mosaic work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	16	78	1 363	*3 361	2 470	*1 897	577	*891	(S)	36	36
1752	Floor laying and other floorwork -----	3	(D)	(S)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1761	Roofing and sheet metal work -----	26	150	2 049	6 511	6 160	4 215	2 576	351	*173	37	32
1771	Concrete work -----	*11	*21	*427	*1 392	*1 267	*684	*608	*125	-	67	71
1781	Water well drilling -----	*3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	-	-	-	-	-	-	-	-	-	-	-
1793	Glass and glazing work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work -----	17	*58	*598	2 438	2 238	1 707	531	*200	(S)	42	40
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c. -----	*10	67	1 100	(D)	(D)	1 775	1 387	(D)	(D)	21	-
6552	Subdividers and developers, n.e.c. -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA											
	Construction industries and subdividers and developers	910	6 702	111 662	483 758	334 691	208 296	135 783	149 067	6 637	4	3
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	91	270	2 705	16 736	13 112	7 098	6 221	3 625	101	20	15
1522	Other residential buildings -----	15	289	6 371	48 074	16 942	(D)	9 201	31 132	(D)	3	2
1531	Operative builders -----	14	*58	*672	*4 375	*2 872	*1 550	*1 425	*1 503	(D)	55	49
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	21	534	13 571	118 990	(D)	24 627	16 922	(D)	435	6	-
1542	Nonresidential buildings, n.e.c. -----	42	463	8 725	41 681	23 880	14 932	9 130	17 801	840	18	13
16	Heavy construction general contractors:											
1611	Highway and street construction -----	10	59	*1 100	3 890	*3 489	2 536	*1 028	401	80	38	41
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines -----	13	95	1 640	5 246	4 819	3 219	(D)	427	425	28	21
1629	Heavy construction, n.e.c. -----	11	106	1 717	3 635	3 154	2 158	(D)	481	42	30	32
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	153	1 005	16 866	55 923	51 096	32 398	21 337	4 827	1 117	10	9
1721	Painting, paper hanging, and decorating -----	44	241	2 429	5 217	5 091	4 184	907	*126	*167	23	20
1731	Electrical work -----	94	671	13 337	32 932	32 667	20 751	(D)	265	465	11	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	56	286	3 459	9 662	9 410	6 001	(D)	252	*78	19	18
1742	Plastering, drywall, and insulation work -----	27	361	5 169	13 208	12 404	8 287	(D)	804	71	12	11
1743	Terrazzo, tile, marble, and mosaic work -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	83	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1752	Floor laying and other floorwork -----	*7	*19	305	(D)	(D)	(D)	515	(D)	-	47	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA—Con.											
15,16,17	Construction industries—Con.											
17	Special trade contractors—Con.											
175	Carpentering and flooring—Con.											
1761	Roofing and sheet metal work	46	401	6 502	22 111	20 225	11 151	(D)	1 887	172	14	10
1771	Concrete work	45	317	5 750	22 548	20 543	14 666	6 120	2 005	589	17	10
1781	Water well drilling	*5	*16	*286	*985	*971	*519	*452	*14	*45	52	56
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work	47	255	3 724	12 890	11 755	9 286	3 427	1 135	813	21	17
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	6	219	3 557	11 526	(D)	7 035	3 795	(D)	(D)	(W)	-
1799	Special trade contractors, n.e.c.	63	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	-	-
6552	Subdividers and developers, n.e.c.	*5	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	STAMFORD SMSA											
	Construction industries and subdividers and developers ..	652	10 585	196 479	676 095	469 032	309 684	165 351	207 064	3 619	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	106	697	9 178	38 828	25 964	16 260	9 929	12 864	168	20	12
1522	Other residential buildings	6	(S)	(S)	(D)	(S)	(D)	(D)	(D)	(D)	-	-
1531	Operative builders	35	135	2 442	12 843	7 789	4 933	2 910	5 054	*165	23	26
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	*6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1542	Nonresidential buildings, n.e.c.	23	805	18 611	173 990	54 512	44 630	9 969	119 478	470	3	1
16	Heavy construction general contractors:											
1611	Highway and street construction	7	70	1 976	5 905	5 659	3 257	(D)	246	(D)	3	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c.	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	87	519	11 685	45 519	37 185	20 500	17 236	8 334	313	11	9
1721	Painting, paper hanging, and decorating	57	243	3 050	9 034	7 267	5 358	2 031	1 767	*243	23	24
1731	Electrical work	65	514	11 345	30 768	30 124	18 548	(D)	644	375	9	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	33	112	1 565	4 869	4 516	3 065	1 452	*353	(D)	22	21
1742	Plastering, drywall, and insulation work	*11	(D)	(D)	10 865	(D)	7 505	4 417	(D)	(D)	-	-
1743	Terrazzo, tile, marble, and mosaic work	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering	71	201	2 782	9 445	8 218	5 131	(D)	1 227	*49	22	17
1752	Floor laying and other floorwork	9	57	713	2 010	1 961	1 295	665	49	*9	12	14
1761	Roofing and sheet metal work	*13	*99	1 875	6 994	6 412	3 482	2 931	(S)	*87	45	35
1771	Concrete work	6	153	3 640	(D)	(D)	(D)	2 694	(D)	(D)	5	-
1781	Water well drilling	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	3	*15	(S)	(S)	(S)	(S)	*426	*60	(S)	67	-
1793	Glass and glazing work	5	40	847	2 177	2 133	1 323	1 348	*44	95	35	30
1794	Excavating and foundation work	57	266	5 948	17 772	15 830	12 597	3 445	1 942	416	17	17
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	18	(D)	560	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c.	18	245	3 562	(D)	(D)	8 194	(D)	(D)	(D)	11	-
6552	Subdividers and developers, n.e.c.	13	164	2 385	8 101	6 151	5 142	1 891	1 950	(D)	15	10

Maine

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-- Not applicable.



SUMMARY OF FINDINGS

During 1982, 9,417 establishments in Maine operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.2 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 6,721 establishments in this State with no payroll accounted for about 14 percent of all business receipts for all construction establishments in Maine. On the other hand, 2,696 establishments classified as "employers" accounted for 86 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.0 billion, of which \$986 million were receipts for construction work. These establishments paid \$181 million for construction work subcontracted to others, leaving net construction receipts of about \$805 million. Value added for these establishments amounted to \$486 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Maine paid \$316 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$28.8 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Maine was 17.5 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 5.3 million hours, while hours worked during the third quarter were 8.1 million hours.

Total payroll for 1982 was \$251 million. Payments of \$47.3 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Maine are based on a sample of about 925 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column--	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	9 417	7 851	17 490	1 180 521	6 721	6 716	165 219	2 696	1 135	17 490	1 015 302	3	2
15,16, 17	Construction industries¹ -----	9 339	7 817	(D)	1 173 174	6 661	6 686	159 490	2 678	1 131	(D)	1 013 684	-	2
15	General building contractors and operative builders -----	1 723	1 275	4 471	345 486	1 011	1 003	39 127	712	272	4 471	306 359	5	5
16	Heavy construction, general contractors ..	353	273	(D)	265 575	243	248	14 174	110	25	(D)	251 401	-	2
17	Special trade contractors -----	7 263	6 269	9 619	562 113	5 407	5 435	106 189	1 856	834	9 619	455 924	4	3
1711	Plumbing, heating, and air conditioning----	789	612	1 719	115 938	475	475	14 781	314	137	1 719	101 157	8	7
1731	Electrical work -----	802	671	1 181	74 760	568	564	12 908	234	107	1 181	61 852	10	10
6552	Subdividers and developers, n.e.c.² -----	72	33	(D)	7 343	60	30	5 729	12	*3	(D)	1 614	-	34
	1977													
	Construction industries and subdividers and developers-----	8 926	7 679	19 606	809 922	5 614	5 705	73 673	3 312	1 974	19 606	736 249	2	2
15,16, 17	Construction industries¹ -----	8 864	7 613	19 541	803 541	5 558	5 648	72 080	3 306	1 965	19 541	731 461	2	2
15	General building contractors and operative builders -----	1 937	1 484	6 483	315 135	757	779	21 763	1 180	705	6 483	293 372	5	4
16	Heavy construction, general contractors ..	379	305	4 205	163 664	183	185	2 768	196	120	4 205	160 896	3	1
17	Special trade contractors -----	6 548	5 824	8 853	324 742	4 618	4 684	47 549	1 930	1 140	8 853	277 193	3	3
1711	Plumbing, heating, and air conditioning----	707	538	1 579	69 508	383	387	7 215	324	151	1 579	62 293	8	7
1731	Electrical work -----	746	616	1 272	48 434	480	487	6 300	266	129	1 272	42 134	9	8
6552	Subdividers and developers, n.e.c.² -----	67	67	68	6 385	56	57	1 593	*11	10	68	4 792	16	13

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	9 417	7 851	17 490	1 180 521	6 721	6 716	165 219	2 696	1 135	17 490	1 015 302	3	2
\$10,000,000 or more -----	8	-	2 782	(D)	-	-	-	8	-	2 782	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	17	2	1 021	(D)	1	2	(D)	16	-	1 021	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	36	3	1 730	(D)	1	1	(D)	35	2	1 730	(D)	(W)	-
\$1,000,000 to \$2,499,999 -----	114	6	2 436	<u>627 722</u>	3	3	<u>15 539</u>	111	*3	2 436	<u>612 233</u>	4	2
\$500,000 to \$999,999 -----	163	14	2 061	119 290	6	5	4 850	157	*9	2 061	114 440	13	12
 \$250,000 to \$499,999 -----	375	140	2 497	(D)	28	27	9 276	347	113	2 497	(D)	10	-
\$100,000 to \$249,999 -----	867	427	2 518	<u>263 761</u>	186	188	26 918	681	239	2 518	<u>227 567</u>	8	6
\$50,000 to \$99,999 -----	1 164	947	1 423	<u>80 598</u>	537	556	36 547	627	391	1 423	<u>44 051</u>	10	7
\$25,000 to \$49,999 -----	1 291	1 151	601	<u>89 099</u>	949	966	33 188	342	185	601	<u>17 010</u>	11	8
 Less than \$25,000 -----	5 381	5 160	419	(D)	5 010	4 968	38 901	371	192	419	(D)	11	-
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	1 646	1 639	25 407	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 334	1 323	9 141	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 216	1 205	3 539	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	814	801	814	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
 1977													
The State -----	8 926	7 679	19 606	809 922	5 614	5 705	73 673	3 312	1 974	19 606	736 249	2	2
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	12	-	2 829	(D)	-	-	-	12	-	2 829	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	28	-	1 934	<u>214 450</u>	-	-	-	28	-	1 934	<u>214 450</u>	(W)	(W)
\$1,000,000 to \$2,499,999 -----	81	8	2 339	(D)	1	1	(D)	80	7	2 339	<u>119 124</u>	3	5
\$500,000 to \$999,999 -----	136	30	2 128	<u>213 528</u>	5	3	<u>4 618</u>	131	27	2 128	89 786	3	5
 \$250,000 to \$499,999 -----	302	95	2 552	103 619	9	7	2 895	293	88	2 552	100 724	8	6
\$100,000 to \$249,999 -----	841	476	3 880	132 041	35	40	4 774	806	436	3 880	127 267	7	7
\$50,000 to \$99,999 -----	954	721	2 175	66 146	166	192	10 796	788	529	2 175	55 350	10	9
\$25,000 to \$49,999 -----	1 089	1 000	1 011	39 086	478	507	16 212	611	493	1 011	22 874	14	12
 Less than \$25,000 -----	5 483	5 351	(S)	<u>41 054</u>	4 920	4 955	34 378	(S)	(S)	(S)	<u>6 676</u>	-	15
\$10,000 to \$24,999 -----	1 696	1 632	527	(D)	1 353	1 372	20 557	343	260	527	(D)	21	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 375	1 390	9 206	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 391	1 397	4 017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	801	796	598	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	2 696	17 490	14 789	251 290	201 362	27 154	985 663	805 037
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	503	1 962	1 658	20 585	15 979	2 699	91 770	72 094
1522	Other residential buildings	44	573	478	7 927	5 674	870	45 153	26 020
1531	Operative builders	47	287	132	3 397	1 622	228	122 192	10 745
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	20	469	425	4 167	3 141	388	29 422	(D)
1542	Nonresidential buildings, n.e.c.	98	1 180	982	16 459	11 628	1 784	109 276	62 741
16	Heavy construction general contractors:								
1611	Highway and street construction	46	990	844	14 821	11 309	1 639	57 041	50 762
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	7	297	257	5 702	4 407	519	24 233	19 959
1623	Water, sewer, and utility lines	34	873	782	18 882	15 883	1 585	75 847	(D)
1629	Heavy construction, n.e.c.	23	1 218	1 027	25 515	20 744	2 644	85 462	73 266
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning	314	1 719	1 340	25 258	18 779	2 421	98 176	86 590
1721	Painting, paper hanging, and decorating	138	781	743	7 547	7 049	1 167	17 812	17 436
1731	Electrical work	234	1 181	967	18 160	14 774	1 789	61 356	60 263
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	147	568	531	5 946	5 146	742	21 304	19 926
1742	Plastering, drywall, and insulation work	64	468	414	7 835	6 600	713	25 921	24 902
1743	Terrazzo, tile, marble, and mosaic work	*6	*38	*24	*714	*507	*54	*2 234	*2 193
175	Carpentering and flooring:								
1751	Carpentering	351	912	841	8 569	7 676	1 186	34 684	29 511
1752	Floor laying and other floorwork	31	78	*61	*786	*637	*110	*3 476	*3 377
1761	Roofing and sheet metal work	85	678	579	9 102	6 980	1 000	31 177	30 365
1771	Concrete work	70	392	350	4 227	3 758	664	15 174	14 478
1781	Water well drilling	28	79	68	*1 112	*945	80	3 651	3 341
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	*11	*65	(D)	721	691	*66	1 677	1 603
1793	Glass and glazing work	15	48	33	516	327	61	2 781	2 746
1794	Excavating and foundation work	263	1 562	1 286	19 908	17 002	2 266	67 983	61 661
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	7	160	130	4 017	3 200	242	9 941	9 081
1799	Special trade contractors, n.e.c.	91	889	767	19 178	16 827	(D)	46 897	46 299
6552	Subdividers and developers, n.e.c.	12	(D)	(D)	(D)	(D)	6	*1 016	698

†Land receipts for SIC 1531 were \$3,606; for SIC 6552 were \$557.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
486 011	344 501	180 625	23 769	23 417	230 938	19 606	705 930	344 809	3	2	4	15,16, 17
												15
39 983 14 616	34 209 11 743	19 676 19 132	959 416	1 342 821	9 780 3 684	3 477 399	117 546 17 152	42 192 5 500	9 10	9 9	18 24	152 1521 1522
5 946	6 176	*11 474	29	317	6 341	530	38 271	10 242	19	22	14	1531
7 493 30 998	7 926 32 799	(D) 46 535	106 623	597 1 616	2 354 14 094	898 1 179	38 718 71 327	13 686 21 521	7 8	— 9	10 5	154 1541 1542
												16
30 886	28 081	6 279	2 266	2 048	41 709	1 582	58 681	37 853	5	6	7	1611
10 043 39 940 42 132	(D) 19 794 31 276	4 274 (D) 12 196	485 6 173 (D)	505 1 493 (D)	8 037 14 941 (D)	692 1 052 879	28 687 39 230 24 229	15 121 28 151 14 124	(W) 5 2	(W) — 2	(W) 8 —	162 1622 1623 1629
												17
49 556	40 015	11 586	981	994	12 959	1 579	60 910	31 161	8	7	11	1711
14 007	4 324	375	83	169	1 547	631	8 716	6 653	25	27	15	1721
32 279	28 480	1 093	502	1 229	9 944	1 272	41 137	22 508	10	10	16	1731
13 375 16 394 *1 228	(D) 9 815 *968	*1 377 1 019 *40	498 163 35	849 588 105	2 769 3 366 279	612 570 24	16 489 17 216 936	10 337 9 222 432	17 11 42	15 9 44	17 7 32	174 1741 1742 1743
16 573 *1 846	(D) *1 844	5 173 (S)	327 *9	886 *10	7 783 *583	746 102	18 703 4 091	9 343 2 233	12 40	13 55	15 44	175 1751 1752
17 079	14 521	812	213	611	5 796	822	26 563	14 382	11	11	15	1761
10 158	4 983	696	55	634	8 402	306	8 384	4 840	19	13	7	1771
*1 347	2 005	*310	23	153	(D)	112	5 210	3 239	37	36	31	1781
1 208 1 424 46 140 (D) (D) 6 258 (D)	(D) 1 385 17 443 (D) (D) 12 475	*74 35 6 322 (D) (D) 860 598	15 19 1 327 (D) (D) 48 535	*204 177 3 511 (D) (D) 54 1 065	*885 327 40 928 (D) (D) 1 585 4 944	(D) 101 1 280 (D) (D) 152 468	(D) 3 123 35 817 (D) (D) 5 347 14 192	800 (D) 26 877 (D) (D) 3 348 7 911	42 32 10 — (W) 8	37 28 10 — (W) 7	46 25 14 — (W) 5	179 1791 1793 1794 1795 1796 1799
505	234	318	4	19	740	68	3 971	1 341	—	39	(W)	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	2 696	3 312	3 054	2 288	3	4	5	5
Number of establishments in business at end of year	2 607	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners	1 135	1 974	2 057	1 897	6	7	7	7
All employees**	17 490	19 606	19 801	14 214	3	2	4	2
Construction workers:								
March	11 024	13 472	12 663	9 673	3	3	4	2
May	14 690	18 310	17 116	12 511	2	3	4	2
August	16 970	19 407	20 922	15 183	3	2	4	2
November	15 354	16 476	18 014	13 115	4	2	4	2
Average	14 789	16 930	17 584	12 813	2	2	4	2
Other employees:								
March	2 641	3 155	2 079	1 445	4	3	6	6
Construction worker hours (thousands):								
January to March	5 282	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
April to June	6 880	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September	8 087	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December	6 903	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Total hours worked	27 154	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Payroll, all employees	251 290	191 037	146 440	77 789	2	2	3	2
Payroll, construction workers	201 362	158 830	124 859	67 790	2	2	3	2
Payroll, other employees	49 928	32 207	21 581	10 022	3	3	4	3
First quarter payroll, all employees	48 830	37 372	(NA)	(NA)	2	2	(NA)	(NA)
Employer costs for fringe benefits	47 285	31 520	(NA)	(NA)	2	2	(NA)	(NA)
Legally required expenditures	36 695	23 163	(NA)	(NA)	3	2	(NA)	(NA)
Voluntary expenditures	10 590	8 356	(NA)	(NA)	3	2	(NA)	(NA)
All business receipts	1 015 302	736 249	554 238	293 307	2	2	3	2
Total construction receipts	985 663	705 930	535 873	287 322	2	2	3	2
Receipts for work subcontracted in from others	180 370	140 972	88 068	46 446	5	3	6	5
Land receipts ¹	4 163	(NA)	(NA)	(NA)	24	(NA)	(NA)	(NA)
Other business receipts	25 476	30 320	18 365	5 985	6	5	10	7
Net construction receipts†	805 037	587 401	451 297	232 197	2	2	3	2
Value added††	486 011	344 809	270 569	140 560	2	2	3	2
Selected payments	525 127	387 474	281 011	152 706	3	3	4	3
Materials, components, and supplies ²	315 710	250 647	196 435	97 607	2	3	4	3
Construction work subcontracted to others	180 625	118 528	84 576	55 120	4	5	4	4
Selected power, fuels, and lubricants	28 791	18 299	(NA)	(NA)	3	3	(NA)	(NA)
Electricity	3 290	1 814	(NA)	(NA)	3	6	(NA)	(NA)
Natural gas	546	295	(NA)	(NA)	18	23	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	23 058	14 202	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases	1 896	1 988	(NA)	(NA)	5	8	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	645	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	23 769	10 391	(NA)	(NA)	2	2	(NA)	(NA)
For machinery and equipment	21 113	8 971	8 898	2 603	2	3	2	6
For structures	2 656	1 421	(NA)	(NA)	8	6	(NA)	(NA)
Selected purchased services	23 718	19 728	(NA)	(NA)	4	3	(NA)	(NA)
Communication services	4 763	3 906	(NA)	(NA)	4	6	(NA)	(NA)
Repairs to structures and related facilities	1 141	667	(NA)	(NA)	9	14	(NA)	(NA)
Repairs to machinery and equipment	17 814	15 155	(NA)	(NA)	4	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	985 663	705 930	535 873	287 322	2	2	3	2
Government owned	282 934	148 764	161 834	11 973	6	1	2	6
Privately owned	702 728	557 166	374 039	175 349	3	2	4	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	216 641	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	23 417	28 909	27 427	10 084	4	5	8	5
New -----	16 241	21 353	21 586	7 087	5	5	9	4
Used -----	7 176	7 556	5 841	2 997	8	10	10	12
Retirements and disposition of depreciable assets -----	9 120	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	230 938	184 980	138 115	(NA)	4	3	5	(NA)
Depreciation charges during year -----	26 427	18 505	15 542	(NA)	4	3	5	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	36 034	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 134	3 079	5 129	2 480	12	25	20	15
New structures and related facilities -----	1 476	2 677	4 032	1 772	17	32	22	9
Used structures and related facilities -----	658	402	1 097	708	21	19	19	22
Retirements and disposition of depreciable assets -----	609	(NA)	(NA)	(NA)	16	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	37 559	33 087	22 566	(NA)	7	5	14	(NA)
Depreciation charges during year -----	3 710	1 771	1 299	(NA)	12	8	14	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	180 607	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	21 283	25 830	22 298	7 604	5	6	9	7
New machinery and equipment, including automobiles and trucks -----	14 765	18 675	17 554	5 315	5	3	8	5
New automobiles and trucks, intended primarily for highway use -----	5 318	8 783	(NA)	(NA)	10	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	6 517	7 155	4 744	2 289	8	10	11	9
Retirements and disposition of depreciable assets -----	8 511	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	193 378	151 893	115 549	(NA)	4	3	5	(NA)
Depreciation charges during year -----	22 717	16 734	14 243	(NA)	4	3	5	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	2 696	3
Total construction receipts	985 663	2
Establishments with inventories:		
Number	810	11
Total construction receipts	447 525	4
Inventories ¹ :		
End of 1982, total	17 809	10
Value for establishments with LIFO reserve	118	19
Amount of LIFO reserve	71	31
Value for establishments with no LIFO reserve	17 691	10
End of 1981, total	19 916	11
Value for establishments with LIFO reserve	*617	49
Amount of LIFO reserve	*446	63
Value for establishments with no LIFO reserve	19 299	12
Establishments with no inventories:		
Number	1 886	3
Total construction receipts	538 138	3

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	2 696	1 882	451	220	111	21	4	5	1	—
All employees**	17 490	3 759	2 901	2 855	3 398	1 545	523	2 507	(D)	—
Payroll, all employees	251 290	33 886	33 139	38 609	52 827	27 399	12 084	53 345	(D)	—
Construction worker hours (thousands)	27 154	4 937	4 024	3 960	5 146	2 817	887	5 381	(D)	—
All business receipts	1 015 302	167 058	140 501	707 742	(D)	(D)	(D)	(D)	(D)	—
Total construction receipts	985 663	161 636	137 384	150 440	226 738	96 332	37 820	175 312	(D)	—
Net construction receipts†	805 037	141 695	118 139	123 102	171 926	79 855	30 621	139 699	(D)	—
Value added††	486 011	79 876	71 245	71 691	102 591	48 895	20 585	91 126	(D)	—
Payments for materials, components, supplies, and fuels	344 502	65 630	49 670	54 848	75 123	99 229	(D)	(D)	(D)	—
Payments for construction work subcontracted to others	180 625	19 941	19 245	27 338	54 811	16 477	7 199	35 613	(D)	—
Rental payments for machinery, equipment, and structures	23 769	1 944	836	1 508	3 026	2 365	892	13 196	(D)	—
Capital expenditures, other than land	23 417	3 922	3 817	2 040	5 750	2 925	348	4 614	(D)	—
End-of-year gross book value of depreciable assets	230 938	45 512	33 311	34 732	49 754	20 385	7 089	40 155	(D)	—
1977										
All employees**	19 606	4 265	3 971	3 433	3 007	1 629	792	2 510	(D)	—
Total construction receipts	705 930	147 252	119 478	123 145	140 237	60 620	37 809	77 389	(D)	—
Value added††	344 809	63 584	56 119	58 826	63 021	33 169	15 343	54 747	(D)	—
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	3	5	8	9	6	(W)	(W)	(W)	—	—
Net construction receipts†	2	5	8	8	3	(W)	(W)	(W)	—	—
Capital expenditures, other than land	4	11	22	22	4	(W)	(W)	(W)	—	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	2 696	371	342	627	681	347	157	111	35	16	8
All employees** -----	17 490	419	601	1 423	2 518	2 497	2 061	2 436	1 730	1 021	2 782
Payroll, all employees -----	251 290	1 425	3 373	11 086	26 498	29 788	29 099	38 106	31 617	21 407	58 889
Construction worker hours (thousands) -----	27 154	330	663	1 693	3 616	3 565	3 040	3 523	3 065	1 846	5 809
All business receipts -----	1 015 302	(D)	17 010	44 051	227 567	(D)	114 440	612 233	(D)	(D)	(D)
Total construction receipts -----	985 663	4 397	12 498	43 010	106 339	114 825	110 068	163 726	130 442	100 255	200 101
Net construction receipts† -----	805 037	4 016	11 506	39 998	96 895	100 615	94 264	127 195	94 991	76 071	159 485
Value added†† -----	486 011	2 340	6 470	23 613	56 167	60 948	56 960	72 662	55 112	47 478	104 257
Payments for materials, components, supplies, and fuels -----	344 502	1 690	5 101	17 257	43 469	42 543	40 466	60 341	133 631	(D)	(D)
Payments for construction work subcontracted to others -----	180 625	381	991	3 012	9 444	14 210	15 804	36 531	35 451	24 184	40 616
Rental payments for machinery, equipment, and structures -----	23 769	69	243	292	1 235	1 101	1 252	2 035	1 743	1 937	13 861
Capital expenditures, other than land -----	23 417	(S)	414	1 165	2 645	3 504	2 041	3 602	2 353	2 918	4 751
End-of-year gross book value of depreciable assets -----	230 938	1 053	4 589	16 995	29 317	30 384	28 687	35 458	18 770	20 734	44 950
1977											
All employees** -----	19 606	(S)	1 011	2 175	3 880	2 552	2 128	2 339	1 934	12 829	(NA)
Total construction receipts -----	705 930	(S)	22 725	54 203	124 189	95 635	87 094	113 397	87 418	114 623	(NA)
Value added†† -----	344 809	(S)	11 916	25 765	55 846	47 735	40 735	50 898	43 985	164 214	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	3	11	11	10	8	10	13	4	(W)	(W)	(W)
Net construction receipts† -----	2	11	9	8	7	9	11	6	(W)	(W)	(W)
Capital expenditures, other than land -----	4	-	34	21	21	22	22	7	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	985 663	732 032	253 630	2	2	3
Building construction	611 982	464 668	147 314	2	3	4
Single-family houses	201 284	146 780	54 504	5	6	8
Single-family houses, detached	174 548	125 024	49 524	6	7	6
Single-family houses, attached	26 735	21 755	4 980	17	21	28
Apartment buildings with two or more apartments	55 106	45 301	9 805	5	4	20
Other residential buildings	17 591	13 936	3 655	17	20	15
Office and bank buildings	53 788	41 442	12 346	10	11	11
Office buildings	45 846	36 184	9 661	10	12	15
Bank buildings and other financial institutions	7 942	5 257	2 684	13	18	11
Industrial buildings and warehouses	143 938	107 685	36 253	3	3	5
Industrial buildings	125 894	91 497	34 397	4	3	5
Warehouses	18 044	16 187	1 856	5	5	14
Stores, restaurants, public garages, and automobile service stations	49 396	35 275	14 121	6	9	7
Religious buildings	4 447	2 356	2 091	16	27	15
Educational buildings	41 576	33 392	8 183	6	8	8
Hospitals and institutional buildings	32 998	28 902	4 096	6	6	11
Other nonresidential buildings	11 858	9 599	2 260	12	14	7
Nonbuilding construction	280 521	199 581	80 940	2	2	2
Highways, streets, and related facilities	98 767	67 308	31 459	5	7	4
Bridges, tunnels, and elevated highways	29 911	18 275	11 636	1	1	(W)
Power and communication transmission lines, towers, and related facilities	32 693	(D)	(D)	3	-	-
Sewers, water mains, and related facilities	38 905	33 856	5 048	6	6	13
Sewers, sewer lines, and related facilities	35 364	31 139	4 225	6	6	13
Water mains and related facilities	3 540	2 717	823	20	23	24
Sewage treatment and water treatment plants	8 734	6 123	2 610	11	16	9
Heavy industrial facilities	33 863	(D)	(D)	2	-	-
Other nonbuilding construction	37 648	25 604	12 047	24	22	28
Construction work, n.s.k.	93 158	67 783	25 375	8	9	7
1977						
Total construction receipts†	705 930	542 959	162 971	2	2	3
Building construction	477 317	356 179	121 138	2	3	4
Single-family houses	225 987	173 314	52 673	5	6	9
Apartment buildings with two or more apartments	33 505	26 938	6 567	5	5	9
Other residential buildings	8 044	5 517	2 527	7	9	8
Office and bank buildings	25 601	17 745	7 856	5	6	4
Industrial buildings and warehouses	82 718	54 581	28 137	2	2	4
Stores, restaurants, public garages, and automobile service stations	24 343	17 233	7 110	6	7	8
Religious buildings	5 311	3 267	2 044	5	5	10
Educational buildings	35 754	29 560	6 194	2	2	8
Hospitals and institutional buildings	23 904	19 217	4 687	3	3	7
Other nonresidential buildings	12 151	8 806	3 345	7	7	13
Nonbuilding construction	180 700	146 212	34 488	2	2	3
Highways, streets, and related facilities	66 090	50 638	15 452	2	2	4
Bridges, tunnels, and elevated highways	(D)	(D)	(D)	-	-	-
Power and communication transmission lines, towers, and related facilities	(D)	(D)	(D)	-	-	-
Sewers, water mains, and related facilities	39 163	36 515	2 648	3	3	11
Sewage treatment and water treatment plants	13 615	13 133	482	2	2	10
Heavy industrial facilities	17 558	11 618	5 940	2	2	1
Other nonbuilding construction	18 919	14 561	4 358	8	8	14
Construction work, n.s.k.	47 920	40 512	7 408	7	7	7

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers	2 696	14 789	27 154	11 024	5 282	14 690	6 880
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	503	1 658	2 699	1 334	538	1 570	666
1522	Other residential buildings	44	478	870	287	136	341	165
1531	Operative builders	47	132	228	87	39	137	53
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	20	425	388	148	43	594	127
1542	Nonresidential buildings, n.e.c.	98	982	1 784	874	378	883	407
16	Heavy construction general contractors:							
1611	Highway and street construction	46	844	1 639	419	195	953	453
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	7	257	519	129	65	258	129
1623	Water, sewer, and utility lines	34	782	1 585	633	334	845	430
1629	Heavy construction, n.e.c.	23	1 027	2 644	976	608	1 030	676
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	314	1 340	2 421	1 149	535	1 289	602
1721	Painting, paper hanging, and decorating	138	743	1 167	366	148	579	216
1731	Electrical work	234	967	1 789	905	428	934	449
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	147	531	742	297	107	489	180
1742	Plastering, drywall, and insulation work	64	414	713	307	143	389	162
1743	Terrazzo, tile, marble, and mosaic work	*6	*24	*54	*27	*13	*27	*14
175	Carpentering and flooring:							
1751	Carpentering	351	841	1 186	648	251	795	271
1752	Floor laying and other floorwork	31	*61	*110	*56	*29	*62	*30
1761	Roofing and sheet metal work	85	579	1 000	499	211	542	238
1771	Concrete work	70	350	664	169	73	404	198
1781	Water well drilling	28	68	80	*43	*16	67	*19
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	*11	(D)	*66	*63	*18	(D)	*13
1793	Glass and glazing work	15	33	61	28	*14	34	*16
1794	Excavating and foundation work	263	1 286	2 266	741	314	1 309	576
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	7	130	242	109	46	128	56
1799	Special trade contractors, n.e.c.	91	757	(D)	715	(D)	971	(D)
6552	Subdividers and developers, n.e.c.	12	(D)	6	(D)	5	(D)	-

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
16 970	8 087	15 354	6 903	2	3	3	3	2	3	3	3	4	4	15,16, 17
														15
1 788	758	1 737	735	9	10	10	14	9	12	9	12	9	12	152
624	281	654	287	10	8	11	12	7	10	12	10	11	8	1521
														1522
174	80	116	*55	30	33	21	31	28	39	33	38	34	41	1531
439	93	516	123	6	15	14	31	4	12	7	18	7	16	154
1 012	461	1 141	536	8	7	10	11	8	9	8	8	8	8	1541
														1542
														16
1 078	569	902	421	5	4	5	6	4	5	4	4	5	5	1611
														162
349	188	289	134	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1622
886	458	750	362	5	4	5	5	4	4	5	5	5	5	1623
1 172	776	932	583	2	1	2	1	2	1	2	1	3	2	1629
														17
1 405	635	1 403	648	8	9	8	10	8	10	8	10	12	13	1711
1 093	446	*854	*356	26	30	16	21	14	17	34	39	42	47	1721
996	472	933	438	10	10	11	13	10	12	10	12	11	12	1731
														174
598	229	648	224	17	17	22	29	16	20	18	20	22	22	1741
487	212	453	194	12	12	13	16	10	13	15	15	13	14	1742
*24	*15	22	*11	41	45	43	58	43	55	41	53	40	52	1743
														175
943	338	818	325	12	14	15	20	12	18	13	17	14	19	1751
*44	*24	*50	*25	41	49	44	58	42	56	54	67	48	64	1752
619	270	608	280	11	11	11	11	11	12	12	14	10	12	1761
430	216	386	175	18	18	23	28	20	21	17	19	20	22	1771
72	*18	75	*25	37	39	41	63	37	59	39	60	35	51	1781
														179
*55	*15	*65	*18	-	43	48	59	-	56	42	51	41	50	1791
34	*16	33	*15	31	38	36	54	30	48	30	48	31	51	1793
1 554	742	1 417	633	9	9	11	15	9	11	8	9	9	11	1794
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1795
160	71	124	68	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1796
929	(D)	424	(D)	7	4	6	5	6	4	6	4	11	10	1799
(D)	-	(D)	-	-	29	-	35	-	-	-	-	-	-	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	6.5	14.4	1.8	66.7	.255	.350	.183	.024	.024
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	3.9	10.5	1.6	55.3	.224	.373	.214	.015	.010
1522	Other residential buildings -----	13.0	13.8	1.8	94.5	.176	.260	.424	.018	.009
1531	Operative builders -----	6.1	11.8	1.7	168.1	.153	.278	*.517	.014	.001
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	23.4	8.9	.9	69.2	.142	.269	(D)	.020	.004
1542	Nonresidential buildings, n.e.c. -----	12.0	13.9	1.8	111.3	.151	.300	.426	.015	.006
16	Heavy construction general contractors:									
1611	Highway and street construction -----	21.5	15.0	1.9	67.6	.260	.492	.110	.036	.040
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	42.4	19.2	2.0	94.3	.235	(D)	.176	.021	.020
1623	Water, sewer, and utility lines -----	25.7	21.6	2.0	97.0	.249	.261	(D)	.020	.081
1629	Heavy construction, n.e.c. -----	53.0	20.9	2.6	83.2	.299	.366	.143	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	5.5	14.7	1.8	73.3	.257	.408	.118	.010	.010
1721	Painting, paper hanging, and decorating -----	5.7	9.7	1.6	24.0	.424	.243	.021	.009	.005
1731	Electrical work -----	5.0	15.4	1.9	63.4	.296	.464	.018	.020	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	3.9	10.5	1.4	40.1	.279	(D)	*.065	.040	.023
1742	Plastering, drywall, and insulation work -----	7.3	16.7	1.7	62.6	.302	.379	.039	.023	.006
1743	Terrazzo, tile, marble, and mosaic work -----	*6.3	*18.8	*2.3	*93.1	*.320	*.433	*.018	*.047	*.016
175	Carpentering and flooring:									
1751	Carpentering -----	2.6	9.4	1.4	41.2	.247	(D)	.149	.026	.009
1752	Floor laying and other floorwork -----	2.5	*10.1	*1.8	*57.0	*.226	*.530	(S)	*.003	*.003
1761	Roofing and sheet metal work -----	8.0	13.4	1.7	53.8	.292	.466	.026	.020	.007
1771	Concrete work -----	5.6	10.8	1.9	43.4	.279	.328	.046	.042	.004
1781	Water well drilling -----	2.8	*14.1	1.2	53.7	*.305	.549	*.085	.042	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	*5.9	*11.1	(D)	*27.5	.430	(D)	*.044	*.122	.009
1793	Glass and glazing work -----	3.2	10.8	1.8	84.3	.186	.498	.013	.064	.007
1794	Excavating and foundation work -----	5.9	12.7	1.8	52.9	.293	.257	.093	.052	.020
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	22.9	25.1	1.9	76.5	.404	(D)	.087	.005	.005
1799	Special trade contractors, n.e.c. -----	9.8	21.6	(D)	61.1	.409	.266	.013	.023	.011
6552	Subdividers and developers, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	.230	.313	.019	.004

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

Massachusetts

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SUMMARY OF FINDINGS

During 1982, 33,177 establishments in Massachusetts operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$8.4 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 21,798 establishments in this State with no payroll accounted for about 16 percent of all business receipts for all construction establishments in Massachusetts. On the other hand, 11,379 establishments classified as "employers" accounted for 84 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$7.1 billion, of which \$6.9 billion were receipts for construction work. These establishments paid \$2.0 billion for construction work subcontracted to others, leaving net construction receipts of about \$4.9 billion. Value added for these establishments amounted to \$3.1 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Massachusetts paid \$1.9 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$115 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Massachusetts was 96.3 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 26.7 million hours, while hours worked during the third quarter were 35.0 million hours.

Total payroll for 1982 was \$1.7 billion. Payments of \$319 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Massachusetts are based on a sample of about 4,500 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers -----	33 177	24 763	96 314	8 417 094	21 798	21 505	1 339 506	11 379	3 258	96 314	7 077 588	1	1
15,16, 17	Construction industries¹ -----	32 791	24 536	95 616	8 293 809	21 517	21 301	1 245 085	11 274	3 235	95 616	7 048 724	1	1
15	General building contractors and operative builders -----	6 500	4 057	21 111	3 535 511	3 717	3 499	732 310	2 783	558	21 111	2 803 201	2	1
16	Heavy construction, general contractors ..	1 226	735	20 202	1 184 524	681	656	37 464	545	79	20 202	1 147 060	1	1
17	Special trade contractors -----	25 065	19 744	54 303	3 573 774	17 119	17 146	475 311	7 946	2 598	54 303	3 098 463	1	1
1711	Plumbing, heating, and air conditioning----	3 367	2 190	11 567	857 201	1 731	1 728	66 087	1 636	462	11 567	791 114	2	2
1731	Electrical work -----	2 993	2 080	10 052	697 247	1 762	1 734	54 346	1 231	346	10 052	642 901	2	1
6552	Subdividers and developers, n.e.c.² -----	380	223	688	123 280	281	204	94 421	99	19	688	28 859	8	17
	1977													
	Construction industries and subdividers and developers -----	29 228	22 878	87 444	4 610 848	17 538	17 661	400 779	11 690	5 217	87 444	4 210 069	1	1
15,16, 17	Construction industries¹ -----	28 983	22 668	86 995	4 552 811	17 355	17 475	371 601	11 628	5 193	86 995	4 181 210	1	1
15	General building contractors and operative builders -----	6 251	4 231	20 732	1 667 887	2 798	2 702	138 759	3 453	1 529	20 732	1 529 128	2	2
16	Heavy construction, general contractors ..	1 005	542	24 411	1 089 160	385	381	11 482	620	161	24 411	1 077 678	1	1
17	Special trade contractors -----	21 727	17 896	41 852	1 795 764	14 172	14 392	221 360	7 555	3 504	41 852	1 574 404	2	1
1711	Plumbing, heating, and air conditioning----	3 165	2 264	9 829	488 220	1 563	1 574	36 477	1 602	690	9 829	451 743	5	2
1731	Electrical work -----	2 643	1 949	7 470	324 121	1 460	1 457	26 026	1 183	492	7 470	298 095	3	2
6552	Subdividers and developers, n.e.c.² -----	252	210	(S)	58 043	183	186	29 178	69	24	(S)	(S)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	33 177	24 763	96 314	8 417 094	21 798	21 505	1 339 506	11 379	3 258	96 314	7 077 588	1	1
\$10,000,000 or more -----	92	18	24 191	(D)	5	6	(D)	87	12	24 191	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	101	6	6 640	2 495 514	3	4	534 579	98	2	6 640	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	239	13	9 734	4 145 953	10	8	35 362	229	5	9 734	4 110 591	(W)	(W)
\$1,000,000 to \$2,499,999 -----	682	48	13 056	1 047 314	40	29	61 433	642	19	13 056	985 881	2	3
\$500,000 to \$999,999 -----	1 045	103	11 740	728 313	74	54	48 855	971	49	11 740	679 458	4	4
 \$250,000 to \$499,999 -----	1 801	427	10 696	639 834	218	176	75 508	1 583	251	10 696	564 326	4	4
\$100,000 to \$249,999 -----	4 287	2 060	12 373	672 170	1 084	1 029	157 480	3 203	1 031	12 373	514 690	4	3
\$50,000 to \$99,999 -----	4 611	3 296	4 672	325 764	2 387	2 390	164 007	2 224	906	4 672	161 757	4	4
\$25,000 to \$49,999 -----	5 056	4 324	1 944	179 915	3 784	3 763	132 314	1 272	561	1 944	47 601	5	5
 Less than \$25,000 -----	15 261	14 466	1 267	143 250	14 193	14 046	129 968	1 068	420	1 267	13 282	6	6
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	5 984	5 953	94 984	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 562	3 516	24 447	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 029	2 983	8 919	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	1 618	1 594	1 618	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	29 228	22 878	87 444	4 610 848	17 538	17 661	400 779	11 690	5 217	87 444	4 210 069	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	73	-	24 389	1 408 822	-	-	-	73	-	24 389	1 408 822	(W)	(W)
\$2,500,000 to \$4,999,999 -----	166	18	8 034	567 491	6	8	18 475	160	10	8 034	549 016	1	1
\$1,000,000 to \$2,499,999 -----	430	36	9 808	651 706	14	12	20 193	416	24	9 808	631 513	1	2
\$500,000 to \$999,999 -----	731	101	9 565	501 244	33	18	21 686	698	83	9 565	479 558	2	3
 \$250,000 to \$499,999 -----	1 320	267	10 295	460 492	97	68	32 704	1 223	199	10 295	427 788	3	3
\$100,000 to \$249,999 -----	3 080	1 300	13 115	475 139	323	298	48 372	2 757	1 002	13 115	426 767	5	4
\$50,000 to \$99,999 -----	3 551	2 607	6 521	247 451	893	946	60 217	2 658	1 661	6 521	187 234	5	5
\$25,000 to \$49,999 -----	4 471	3 697	3 768	158 031	2 375	2 491	80 684	2 096	1 206	3 768	77 347	7	6
 Less than \$25,000 -----	15 408	14 852	(S)	140 473	13 797	13 820	118 448	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	6 311	6 043	1 319	100 715	5 254	5 303	81 510	1 057	740	1 319	19 205	10	10
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 807	3 816	26 223	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 206	3 182	9 493	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 530	1 519	1 222	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	11 379	96 314	78 879	1 690 932	1 285 983	127 513	6 900 454	4 949 906
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 563	6 543	5 492	81 786	65 031	8 651	429 286	309 294
1522	Other residential buildings -----	231	1 845	1 540	35 759	26 904	2 451	240 080	103 356
1531	Operative builders -----	286	1 327	765	18 831	9 588	1 189	113 543	78 895
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	190	3 008	2 299	62 096	43 402	3 573	417 897	172 366
1542	Nonresidential buildings, n.e.c. -----	513	8 388	6 174	190 347	137 190	10 214	1 546 249	568 051
16	Heavy construction general contractors:								
1611	Highway and street construction -----	216	3 024	2 549	60 435	49 593	4 331	254 941	203 340
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	14	335	302	8 301	7 162	497	31 785	27 011
1623	Water, sewer, and utility lines -----	174	2 880	2 386	51 937	40 699	4 196	193 708	171 475
1629	Heavy construction, n.e.c. -----	141	13 963	12 092	240 007	160 232	20 891	612 474	508 874
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 636	11 567	8 829	223 704	165 922	15 077	770 737	678 748
1721	Painting, paper hanging, and decorating -----	719	3 860	3 489	47 661	41 965	5 107	134 435	126 007
1731	Electrical work -----	1 231	10 052	8 249	209 302	169 280	14 223	625 759	608 191
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	504	2 819	2 565	43 997	38 587	3 742	140 551	131 457
1742	Plastering, drywall, and insulation work -----	382	3 749	3 202	63 322	52 100	4 681	195 379	178 746
1743	Terrazzo, tile, marble, and mosaic work -----	84	531	428	8 418	6 567	689	28 600	26 999
175	Carpentering and flooring:								
1751	Carpentering -----	987	3 562	3 149	44 162	38 268	4 569	157 674	132 000
1752	Floor laying and other floorwork -----	191	948	763	15 551	10 765	986	66 026	62 860
1761	Roofing and sheet metal work -----	535	4 484	3 695	66 233	51 431	5 389	226 368	213 121
1771	Concrete work -----	407	2 519	2 241	36 298	30 104	3 199	125 897	116 854
1781	Water well drilling -----	38	197	162	2 896	2 503	301	11 900	11 707
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	73	1 020	920	17 068	14 655	1 366	35 401	34 087
1793	Glass and glazing work -----	75	966	733	18 078	13 607	1 294	75 057	72 415
1794	Excavating and foundation work -----	488	3 578	2 934	59 361	47 384	4 803	191 478	177 940
1795	Wrecking and demolition work -----	28	321	277	5 680	4 810	486	13 879	11 890
1796	Installing building equipment, n.e.c. -----	107	1 371	1 135	31 371	25 566	1 896	84 265	81 114
1799	Special trade contractors, n.e.c. -----	461	2 759	2 131	39 745	29 619	3 284	143 465	133 899
6552	Subdividers and developers, n.e.c. -----	99	688	372	8 580	3 041	415	115 615	9 204

†Land receipts for SIC 1531 were \$16,696; for SIC 6552 were \$11,746.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
3 086 626	2 011 970	1 950 548	101 408	112 297	1 085 401	87 446	4 073 613	1 934 012	1	1	2	15,16, 17
												15
171 522	144 423	119 992	3 717	5 410	54 636	7 556	351 359	128 529	4	4	5	152
59 524	(D)	136 724	1 337	(D)	31 432	2 006	206 803	48 350	5	5	—	1521
												1522
47 389	35 784	52 648	323	2 703	61 894	1 824	155 844	53 840	8	9	18	1531
105 759	67 453	245 531	3 370	1 933	25 370	3 290	242 936	72 825	4	3	6	154
326 817	244 299	978 198	12 315	8 793	145 833	6 056	539 063	139 899	2	2	4	1541
												1542
												16
134 716	86 013	51 601	12 156	14 514	130 025	3 697	206 145	116 173	5	3	5	1611
18 647	8 410	4 774	1 462	282	9 332	286	30 858	13 214	3	(W)	(W)	162
109 390	64 885	22 233	9 352	7 316	68 274	3 358	178 271	105 719	4	4	8	1622
338 142	204 646	103 600	15 403	5 192	93 335	(D)	598 226	356 096	1	1	3	1623
												1629
												17
413 530	285 595	91 988	7 273	8 972	90 161	9 829	447 992	219 753	2	2	3	1711
97 367	30 129	8 427	1 258	1 442	12 643	3 357	70 754	55 542	5	4	10	1721
375 889	249 444	17 567	3 556	8 787	64 791	7 470	293 572	167 609	2	1	3	1731
85 573	46 256	9 093	2 314	1 466	23 649	2 159	67 071	42 058	5	5	8	174
110 523	74 182	16 633	2 575	1 792	19 153	2 593	89 122	54 596	4	3	9	1741
14 300	12 967	1 601	159	144	2 308	404	13 185	7 621	11	11	18	1742
												1743
82 060	51 172	25 674	1 014	2 450	14 938	2 169	68 564	36 698	5	5	12	175
33 771	31 213	3 165	395	927	5 023	1 065	38 246	17 857	8	5	15	1751
												1752
125 919	92 001	13 247	2 830	3 867	26 798	3 356	111 759	66 332	5	5	8	1761
73 679	44 032	9 043	2 567	4 275	34 552	1 603	53 286	29 932	7	6	8	1771
7 181	4 536	193	32	509	5 245	156	5 972	3 723	17	18	21	1781
												179
26 211	8 779	1 314	1 356	755	7 910	720	18 742	12 922	12	11	16	1791
39 322	35 765	2 642	924	2 310	7 879	612	26 104	14 070	7	5	3	1793
135 983	49 529	13 537	12 324	7 950	100 728	2 739	110 986	81 127	6	4	9	1794
10 485	2 497	1 989	675	619	7 801	322	8 705	8 873	1	2	(W)	1795
56 914	24 735	3 151	696	984	7 237	971	42 699	30 417	4	2	4	1796
80 207	(D)	9 566	1 903	(D)	21 126	2 327	79 356	43 034	6	5	—	1799
5 795	4 906	6 411	107	400	13 271	(S)	(9)	(S)	8	14	11	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	11 379	11 690	13 059	11 943	2	2	3	3
Number of establishments in business at end of year	11 106	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	3 258	5 217	6 286	7 443	3	4	4	4
All employees**	96 314	87 444	113 926	91 863	1	1	1	1
Construction workers:								
March	66 433	52 790	75 774	61 289	1	1	2	1
May	79 663	70 531	90 896	77 377	1	1	2	1
August	84 080	75 320	103 654	87 595	1	1	2	1
November	80 712	67 124	94 066	80 441	1	1	2	1
Average	78 879	66 503	92 554	77 705	1	1	2	1
Other employees:								
March	17 257	19 938	20 328	13 806	1	1	2	2
Construction worker hours (thousands):								
January to March	26 690	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	32 160	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	35 038	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	33 623	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	127 513	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 690 932	1 227 584	1 246 931	685 836	1	1	1	1
Payroll, construction workers	1 285 983	853 333	970 183	545 483	1	1	1	1
Payroll, other employees	404 949	374 251	276 748	140 403	1	1	1	1
First quarter payroll, all employees	357 796	253 807	(NA)	(NA)	1	(W)	(NA)	(NA)
Employer costs for fringe benefits	319 461	228 164	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	225 673	112 207	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	93 788	115 957	(NA)	(NA)	1	(W)	(NA)	(NA)
All business receipts	7 077 588	4 210 069	4 538 602	2 543 560	1	1	1	1
Total construction receipts	6 900 454	4 073 613	4 442 322	2 478 971	1	1	1	1
Receipts for work subcontracted in from others	1 559 565	897 370	901 707	497 248	1	1	2	2
Land receipts ¹	28 442	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Other business receipts	148 691	136 456	96 280	68 640	2	3	6	7
Net construction receipts†	4 949 906	3 034 340	3 390 823	1 838 013	1	1	1	1
Value added††	3 086 626	1 934 012	2 135 620	1 149 853	1	1	1	1
Selected payments	3 962 519	2 248 322	2 376 539	1 374 450	1	1	1	1
Materials, components, and supplies ²	1 896 810	1 142 468	1 325 040	733 373	1	1	1	1
Construction work subcontracted to others	1 950 548	1 039 273	1 051 499	640 996	1	1	2	2
Selected power, fuels, and lubricants	115 160	66 581	(NA)	(NA)	2	1	(NA)	(NA)
Electricity	16 765	10 358	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas	4 137	3 444	(NA)	(NA)	3	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	85 954	43 423	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases	8 303	9 360	(NA)	(NA)	4	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 607	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	101 408	64 664	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment	77 140	51 214	59 394	32 480	2	2	4	2
For structures	24 268	13 450	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services	94 117	65 688	(NA)	(NA)	2	1	(NA)	(NA)
Communication services	31 298	24 156	(NA)	(NA)	2	1	(NA)	(NA)
Repairs to structures and related facilities	4 971	2 850	(NA)	(NA)	3	5	(NA)	(NA)
Repairs to machinery and equipment	57 848	38 683	(NA)	(NA)	2	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	6 900 454	4 073 613	4 442 322	2 478 971	1	1	1	1
Government owned	1 314 453	1 017 298	1 393 907	736 678	2	1	2	2
Privately owned	5 586 000	3 056 315	3 048 415	1 742 293	1	1	1	1

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 012 973	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	112 297	81 077	87 538	43 686	2	5	3	3
New -----	82 148	65 770	72 781	35 426	2	6	3	3
Used -----	30 148	15 307	14 757	8 260	3	5	6	4
Retirements and disposition of depreciable assets -----	39 868	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 085 401	578 344	535 060	(NA)	2	1	3	(NA)
Depreciation charges during year -----	125 526	56 503	61 142	(NA)	2	1	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	213 252	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	34 730	15 152	21 451	9 144	1	19	6	7
New structures and related facilities -----	23 977	14 348	14 880	7 804	1	24	7	4
Used structures and related facilities -----	10 752	804	6 571	1 340	2	15	6	10
Retirements and disposition of depreciable assets -----	8 728	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	239 254	109 487	115 556	(NA)	3	4	6	(NA)
Depreciation charges during year -----	20 586	4 789	7 335	(NA)	4	4	8	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	799 837	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	77 567	65 925	66 087	34 542	3	3	6	4
New machinery and equipment, including automobiles and trucks -----	58 170	51 422	57 901	27 622	3	2	4	4
New automobiles and trucks, intended primarily for highway use -----	26 389	29 220	(NA)	(NA)	4	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	19 396	14 503	8 186	6 920	5	5	9	5
Retirements and disposition of depreciable assets -----	31 257	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	846 147	468 857	419 504	(NA)	2	1	4	(NA)
Depreciation charges during year -----	104 940	51 714	53 807	(NA)	2	1	4	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	11 379	2
Total construction receipts	6 900 454	1
Establishments with inventories:		
Number	3 303	5
Total construction receipts	2 943 190	1
Inventories ¹ :		
End of 1982, total	101 172	6
Value for establishments with LIFO reserve	3 072	7
Amount of LIFO reserve	1 822	10
Value for establishments with no LIFO reserve	98 100	6
End of 1981, total	100 853	4
Value for establishments with LIFO reserve	2 947	5
Amount of LIFO reserve	1 187	4
Value for establishments with no LIFO reserve	97 906	5
Establishments with no inventories:		
Number	8 076	2
Total construction receipts	3 957 264	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments -----	11 379	7 185	2 260	1 139	574	149	52	15	—	4
All employees** -----	96 314	14 320	14 708	15 316	16 687	10 031	7 310	4 952	—	12 988
Payroll, all employees -----	1 690 932	158 954	197 930	258 375	330 028	244 514	170 883	101 282	—	228 965
Construction worker hours (thousands) -----	127 513	17 971	18 155	19 039	21 815	14 533	10 677	6 441	—	18 877
All business receipts -----	7 077 588	772 749	772 458	1 010 253	4 522 127	(D)	(D)	(D)	—	(D)
Total construction receipts -----	6 900 454	750 629	755 538	986 994	1 353 661	1 021 137	979 826	381 756	—	670 912
Net construction receipts† -----	4 949 906	630 366	622 072	778 451	957 240	715 341	527 216	719 219	—	(D)
Value added†† -----	3 086 626	365 770	371 946	503 908	595 387	446 041	300 209	192 919	—	310 444
Payments for materials, components, supplies, and fuels -----	2 011 970	276 995	261 988	294 666	383 389	286 850	249 159	82 064	—	176 857
Payments for construction work subcontracted to others -----	1 950 548	120 262	133 466	208 543	396 421	305 796	452 610	333 449	—	(D)
Rental payments for machinery, equipment, and structures -----	101 408	7 342	10 399	12 759	21 933	17 964	11 838	3 647	—	15 524
Capital expenditures, other than land -----	112 297	14 668	14 661	16 452	19 301	11 705	29 473	6 036	—	(D)
End-of-year gross book value of depreciable assets -----	1 085 401	165 607	147 181	191 355	186 953	115 750	158 688	31 023	—	88 842
1977										
All employees** -----	87 444	16 075	13 299	13 605	13 804	6 996	4 882	3 317	15 467	(D)
Total construction receipts -----	4 073 613	593 491	575 699	605 402	716 181	453 908	303 181	825 753	(D)	(D)
Value added†† -----	1 934 012	284 044	263 848	283 573	339 609	192 466	145 816	424 657	(D)	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees** -----	1	2	4	3	2	(W)	(W)	(W)	—	(W)
Net construction receipts† -----	1	3	4	3	1	(W)	(W)	(W)	—	—
Capital expenditures, other than land -----	2	6	10	9	5	(W)	(W)	(W)	—	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	11 379	1 068	1 272	2 224	3 203	1 583	971	642	229	98	87
All employees** -----	96 314	1 267	1 944	4 672	12 373	10 696	11 740	13 056	9 734	6 640	24 191
Payroll, all employees -----	1 690 932	3 923	13 401	41 623	141 147	147 532	195 118	253 446	218 313	159 208	517 220
Construction worker hours (thousands) -----	127 513	1 125	2 103	5 554	14 978	13 310	15 132	17 172	14 096	8 565	35 473
All business receipts -----	7 077 588	13 282	47 601	161 757	514 690	564 326	679 458	985 881	4 110 591	(D)	(D)
Total construction receipts -----	6 900 454	13 136	46 862	159 376	504 409	549 302	659 767	959 031	783 576	673 229	2 551 764
Net construction receipts† -----	4 949 906	11 670	43 750	145 447	451 046	469 827	555 177	773 026	602 156	473 441	1 424 364
Value added†† -----	3 086 626	7 021	26 879	87 130	275 498	283 506	352 458	472 281	383 814	283 647	914 389
Payments for materials, components, supplies, and fuels -----	2 011 970	4 731	17 243	59 753	183 381	197 659	218 581	317 743	231 557	202 739	578 580
Payments for construction work subcontracted to others -----	1 950 548	1 466	3 112	13 929	53 363	79 475	104 590	186 004	181 420	199 788	1 127 400
Rental payments for machinery, equipment, and structures -----	101 408	222	596	1 457	4 817	8 787	8 374	16 113	13 603	8 110	39 326
Capital expenditures, other than land -----	112 297	90	858	3 789	9 941	11 736	12 938	16 574	11 601	7 513	37 253
End-of-year gross book value of depreciable assets -----	1 085 401	4 085	12 945	40 704	107 508	121 666	125 819	181 806	112 733	75 835	302 297
1977											
All employees** -----	87 444	(S)	3 768	6 521	13 115	10 295	9 565	9 808	8 034	124 389	(NA)
Total construction receipts -----	4 073 613	(S)	76 013	184 897	416 137	415 714	463 335	611 911	536 512	1 347 295	(NA)
Value added†† -----	1 934 012	(S)	43 855	98 769	217 145	210 701	220 082	272 666	244 759	1614 314	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	6	5	4	4	4	4	2	(W)	(W)	(W)
Net construction receipts† -----	1	6	6	4	3	4	4	3	(W)	(W)	(W)
Capital expenditures, other than land -----	2	35	20	12	8	12	11	9	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	6 900 454	5 337 567	1 562 887	1	1	1
Building construction	4 960 596	3 871 598	1 088 998	1	1	1
Single-family houses	969 044	703 967	265 076	3	3	3
Single-family houses, detached	841 393	607 232	234 161	3	3	3
Single-family houses, attached	127 650	96 735	30 915	6	7	14
Apartment buildings with two or more apartments	482 695	365 730	116 964	2	2	6
Other residential buildings	200 834	174 584	26 250	2	2	7
Office and bank buildings	1 170 096	986 587	183 509	1	1	2
Office buildings	1 051 341	902 474	148 866	1	1	3
Bank buildings and other financial institutions	118 755	84 112	34 642	4	4	4
Industrial buildings and warehouses	882 627	662 247	220 380	2	2	3
Industrial buildings	751 690	552 980	198 710	2	2	4
Warehouses	130 936	109 267	21 669	3	4	5
Stores, restaurants, public garages, and automobile service stations	496 288	383 857	112 431	2	2	4
Religious buildings	45 042	26 704	18 338	5	6	8
Educational buildings	213 925	152 195	61 730	1	2	3
Hospitals and institutional buildings	413 383	347 821	65 562	1	1	4
Amusement, social, and recreational buildings	49 210	42 368	6 841	6	6	14
Other nonresidential buildings	37 452	25 538	11 917	11	11	15
Nonbuilding construction	1 486 942	1 102 811	384 130	1	1	2
Highways, streets, and related facilities	349 112	204 651	144 460	3	3	4
Bridges, tunnels, and elevated highways	51 620	44 311	7 308	2	(W)	11
Bridges	20 503	14 485	6 018	4	1	13
Elevated highways	2 001	(D)	(D)	(W)	—	—
Tunnels	29 115	(D)	(D)	(W)	—	—
Power and communication transmission lines, towers, and related facilities	178 826	151 524	27 302	1	1	3
Sewers, water mains, and related facilities	157 810	116 823	40 986	4	5	7
Sewers, sewer lines, and related facilities	103 478	80 856	22 622	5	6	10
Water mains and related facilities	54 331	35 967	18 364	8	12	9
Sewage treatment and water treatment plants	73 423	66 764	6 658	4	4	13
Sewage treatment plants	52 506	47 762	4 744	5	5	13
Water treatment plants	20 916	19 002	1 914	5	5	33
Mass transit construction	97 751	88 515	9 235	1	(W)	6
Subways	87 205	86 727	477	(W)	(W)	(W)
Railroads	10 546	1 788	8 757	5	8	6
Heavy industrial facilities	465 544	353 238	112 305	(W)	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes	11 801	7 605	4 195	5	4	6
Power plants	453 742	345 632	108 110	(W)	(W)	1
Power plants, nuclear	262 744	(D)	(D)	(W)	—	—
Power plants, except nuclear	190 998	(D)	(D)	1	—	—
Other nonbuilding construction	112 856	76 985	35 876	7	8	14
Construction work, n.s.k.	452 916	363 157	89 757	3	3	4
1977						
Total construction receipts†	4 073 613	3 189 290	884 324	1	1	1
Building construction	2 663 616	1 969 140	694 476	1	1	1
Single-family houses	753 620	553 039	200 581	3	3	3
Apartment buildings with two or more apartments	294 660	231 358	63 302	2	1	5
Other residential buildings	61 704	42 735	18 969	4	3	8
Office and bank buildings	254 415	190 578	63 837	1	2	2
Industrial buildings and warehouses	536 823	375 186	161 637	1	2	2
Stores, restaurants, public garages, and automobile service stations	153 493	103 712	49 781	3	4	6
Religious buildings	30 466	15 276	15 190	4	4	6
Educational buildings	262 931	207 830	55 101	2	2	4
Hospitals and institutional buildings	235 589	191 150	44 439	1	1	4
Amusement, social, and recreational buildings	48 386	37 346	11 040	3	3	5
Other nonresidential buildings	31 530	20 932	10 598	4	5	6
Nonbuilding construction	1 209 497	1 046 701	162 796	1	1	2
Highways, streets, and related facilities	247 201	162 515	84 686	1	2	2
Bridges, tunnels, and elevated highways	41 762	31 282	10 480	(W)	(W)	1
Power and communication transmission lines, towers, and related facilities	28 455	25 294	3 161	3	3	7
Sewers, water mains, and related facilities	162 651	152 524	10 127	3	3	8
Sewage treatment and water treatment plants	97 136	91 862	5 274	1	1	13
Heavy industrial facilities	500 031	476 757	23 274	(W)	(W)	2
Other nonbuilding construction	132 261	106 467	25 794	2	2	5
Construction work, n.s.k.	200 547	173 199	27 348	3	4	4

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers.....	11 379	78 879	127 513	66 433	26 690	79 663	32 160
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	1 563	5 492	8 651	4 532	1 819	5 458	2 209
1522	Other residential buildings	231	1 540	2 451	1 285	526	1 536	618
1531	Operative builders	286	765	1 189	614	243	732	289
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	190	2 299	3 573	2 095	789	2 264	864
1542	Nonresidential buildings, n.e.c.	513	6 174	10 214	5 456	2 265	6 145	2 562
16	Heavy construction general contractors:							
1611	Highway and street construction	216	2 549	4 331	1 200	454	2 898	1 202
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	14	302	497	230	97	341	131
1623	Water, sewer, and utility lines	174	2 386	4 196	1 703	706	2 493	1 093
1629	Heavy construction, n.e.c.	141	12 092	20 891	10 945	4 652	12 058	5 077
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	1 636	8 829	15 077	8 505	3 647	8 854	3 827
1721	Painting, paper hanging, and decorating	719	3 489	5 107	2 344	836	3 720	1 381
1731	Electrical work	1 231	8 249	14 223	7 690	3 214	7 711	3 324
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	504	2 565	3 742	1 790	658	2 654	969
1742	Plastering, drywall, and insulation work	382	3 202	4 681	3 145	1 109	3 239	1 208
1743	Terrazzo, tile, marble, and mosaic work	84	428	689	321	139	419	172
175	Carpentering and flooring:							
1751	Carpentering	987	3 149	4 569	2 615	963	3 031	1 115
1752	Floor laying and other floorwork	191	763	986	675	219	788	252
1761	Roofing and sheet metal work	535	3 695	5 389	2 906	1 091	3 732	1 359
1771	Concrete work	407	2 241	3 199	1 224	419	2 575	899
1781	Water well drilling	38	162	301	131	64	162	76
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	73	920	1 366	779	246	903	337
1793	Glass and glazing work	75	733	1 294	712	308	717	322
1794	Excavating and foundation work	488	2 934	4 803	2 338	967	3 044	1 240
1795	Wrecking and demolition work	28	277	486	273	114	244	102
1796	Installing building equipment, n.e.c.	107	1 135	1 896	1 066	437	1 086	465
1799	Special trade contractors, n.e.c.	461	2 131	3 284	1 571	612	2 446	941
6552	Subdividers and developers, n.e.c.	99	372	115	283	83	115	115

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
84 080	35 038	80 712	33 623	1	1	1	1	1	1	1	1	1	1	15,16,17
														15
5 817	2 370	5 551	2 252	4	4	4	6	5	6	5	6	4	6	152
1 756	689	1 519	616	6	5	6	6	6	6	7	6	6	6	1521
														1522
866	353	748	303	11	12	11	15	12	15	10	13	13	15	1531
2 396	967	2 364	951	4	4	4	4	4	4	4	4	4	4	154
6 711	2 845	6 156	2 541	2	2	2	3	2	2	2	2	2	2	1541
														1542
														16
3 264	1 465	2 797	1 208	5	4	7	7	5	5	5	5	6	5	1611
														162
355	150	272	117	2	1	(W)	1	2	2	2	2	2	3	1622
2 682	1 225	2 607	1 170	5	4	5	5	5	5	5	5	5	4	1623
12 433	5 449	12 913	5 712	(W)	1	(W)	1	1	1	1	1	1	1	1629
														17
8 811	3 850	8 589	3 752	2	2	2	3	2	3	2	3	2	3	1711
4 088	1 581	3 508	1 307	5	5	8	7	6	6	6	6	6	7	1721
8 139	3 700	8 897	3 983	2	2	2	3	2	3	2	3	2	3	1731
														174
2 840	1 084	2 645	1 030	5	5	5	7	5	7	5	6	5	7	1741
3 281	1 175	3 061	1 187	4	4	4	6	4	5	4	5	5	5	1742
490	204	426	172	11	10	11	14	12	14	12	13	10	14	1743
														175
3 345	1 279	3 096	1 211	6	6	7	9	6	7	6	8	6	8	1751
821	267	711	246	9	8	9	12	10	12	8	10	10	12	1752
3 878	1 493	3 994	1 445	5	5	5	6	5	5	5	6	6	6	1761
2 645	1 008	2 320	872	8	7	9	11	9	9	7	8	8	8	1771
164	83	153	77	16	17	16	21	16	21	16	20	19	24	1781
														179
1 088	423	904	358	12	8	14	13	13	9	16	10	13	9	1791
737	327	730	336	7	8	7	9	7	9	7	9	7	9	1793
3 182	1 337	3 021	1 258	6	5	5	6	6	7	7	7	6	7	1794
281	137	280	132	1	2	4	4	(W)	2	(W)	2	3	4	1795
1 258	527	1 090	465	4	5	4	4	5	8	5	6	4	5	1796
2 350	929	1 964	801	6	6	5	7	7	7	7	8	6	8	1799
398	107	390	109	8	12	10	18	8	15	7	13	8	14	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	8.5	17.6	1.6	87.5	.245	.292	.283	.016	.015
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.2	12.5	1.6	78.2	.191	.336	.280	.013	.009
1522	Other residential buildings	8.0	19.4	1.6	155.9	.149	(D)	.569	(D)	.006
1531	Operative builders	4.6	14.2	1.6	172.0	.143	.272	.400	.021	.002
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	15.8	20.6	1.6	181.8	.149	.161	.588	.005	.008
1542	Nonresidential buildings, n.e.c.	16.4	22.7	1.7	250.4	.123	.158	.633	.006	.008
16	Heavy construction general contractors:									
1611	Highway and street construction	14.0	20.0	1.7	100.0	.237	.337	.202	.057	.048
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	23.9	24.8	1.6	105.2	.261	.265	.150	.009	.046
1623	Water, sewer, and utility lines	16.6	18.0	1.8	81.2	.268	.335	.115	.038	.048
1629	Heavy construction, n.e.c.	99.0	17.2	1.7	50.7	.392	.334	.169	.008	.025
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	7.1	19.3	1.7	87.3	.290	.371	.119	.012	.009
1721	Painting, paper hanging, and decorating	5.4	12.3	1.5	38.5	.355	.224	.063	.011	.009
1731	Electrical work	8.2	20.8	1.7	75.9	.334	.399	.028	.014	.006
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	5.6	15.6	1.5	54.8	.313	.329	.065	.010	.016
1742	Plastering, drywall, and insulation work	9.8	16.9	1.5	61.0	.324	.380	.085	.009	.013
1743	Terrazzo, tile, marble, and mosaic work	6.3	15.9	1.6	66.8	.294	.453	.056	.005	.006
175	Carpentering and flooring:									
1751	Carpentering	3.6	12.4	1.5	50.1	.280	.325	.163	.016	.006
1752	Floor laying and other floorwork	5.0	16.4	1.3	86.5	.236	.473	.048	.014	.006
1761	Roofing and sheet metal work	8.4	14.8	1.5	61.3	.293	.406	.059	.017	.013
1771	Concrete work	6.2	14.4	1.4	56.2	.288	.350	.072	.034	.020
1781	Water well drilling	5.2	14.7	1.9	73.5	.243	.381	.016	.049	.003
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	14.0	16.7	1.5	38.5	.482	.248	.037	.021	.038
1793	Glass and glazing work	12.9	18.7	1.8	102.4	.241	.477	.035	.031	.012
1794	Excavating and foundation work	7.3	16.6	1.6	65.3	.310	.259	.071	.042	.064
1795	Wrecking and demolition work	11.5	17.7	1.8	50.1	.409	.180	.143	.045	.049
1796	Installing building equipment, n.e.c.	12.8	22.9	1.7	74.2	.372	.294	.037	.012	.008
1799	Special trade contractors, n.e.c.	6.0	14.4	1.5	67.3	.277	(D)	.067	(D)	.013
6552	Subdividers and developers, n.e.c.	6.9	12.5	1.1	42.0	.549	.314	.411	.026	.007

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	BOSTON-LAWRENCE-LOWELL, MASS.-N.H., SCSA											
	Construction industries and subdividers and developers..	6 527	56 366	1 070 283	4 713 727	3 235 797	2 042 540	1 279 810	1 477 930	77 744	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	831	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	143	1 301	25 941	175 894	75 976	46 180	(D)	99 919	(D)	7	7
1531	Operative builders	170	889	13 248	93 042	51 855	34 717	20 747	41 187	1 220	9	12
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	106	1 434	32 735	212 665	92 369	60 184	32 840	120 296	1 170	5	5
1542	Nonresidential buildings, n.e.c.	352	6 568	156 406	1 336 510	470 655	279 229	193 565	865 855	6 695	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	109	1 756	36 155	162 827	122 732	82 902	47 110	40 095	10 410	6	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines	91	1 747	29 973	114 481	105 751	66 525	40 550	8 730	4 291	6	5
1629	Heavy construction, n.e.c.	83	1 842	43 670	177 527	129 300	84 694	50 765	48 227	2 823	3	3
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	962	7 982	165 133	569 831	493 316	307 261	201 591	76 516	5 951	3	2
1721	Painting, paper hanging, and decorating	427	2 534	33 993	97 794	91 119	69 343	22 039	6 675	998	7	6
1731	Electrical work	736	7 222	157 437	476 258	462 090	292 069	186 504	14 168	6 091	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	311	2 049	34 240	109 230	102 185	66 519	35 867	7 045	1 130	5	6
1742	Plastering, drywall, and insulation work	217	2 359	42 959	128 663	117 686	72 876	48 235	10 977	1 217	4	4
1743	Terrazzo, tile, marble, and mosaic work	58	298	4 997	18 679	(D)	9 494	8 010	(D)	*84	18	-
175	Carpentering and flooring:											
1751	Carpentering	536	2 255	29 716	109 349	89 984	54 865	36 116	19 365	1 768	8	6
1752	Floor laying and other floorwork	120	751	13 353	56 932	53 994	28 394	(D)	2 938	618	9	5
1761	Roofing and sheet metal work	312	2 930	45 037	150 669	141 749	87 105	58 561	8 920	2 403	7	6
1771	Concrete work	206	1 314	18 948	65 854	61 808	36 577	25 692	4 046	2 128	11	9
1781	Water well drilling	*11	96	1 648	5 815	5 750	3 581	(D)	65	*302	15	16
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	47	775	13 109	25 834	25 217	19 542	6 193	618	583	12	9
1793	Glass and glazing work	52	662	12 715	51 944	50 201	27 105	24 820	1 743	1 811	10	6
1794	Excavating and foundation work	205	2 037	38 536	119 998	112 732	87 763	30 429	7 267	4 276	7	4
1795	Wrecking and demolition work	22	285	5 231	12 520	10 742	9 456	2 310	1 778	620	2	2
1796	Installing building equipment, n.e.c.	73	927	24 017	62 362	60 567	42 039	(D)	1 795	510	3	2
1799	Special trade contractors, n.e.c.	282	1 661	26 279	84 606	78 584	48 033	32 072	6 022	1 488	9	7
6552	Subdividers and developers, n.e.c.	59	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	BOSTON SMSA											
	Construction industries and subdividers and developers..	5 433	48 792	943 332	4 245 820	2 848 292	1 791 172	1 123 837	1 397 528	68 598	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	699	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	122	1 160	23 706	163 935	68 624	41 906	(D)	95 311	(D)	8	7
1531	Operative builders	134	748	11 466	80 334	44 515	31 139	16 819	35 819	1 090	9	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	80	1 181	28 093	186 214	80 067	53 605	27 091	106 147	999	6	4
1542	Nonresidential buildings, n.e.c.	304	6 173	149 355	1 293 106	447 742	263 365	186 447	845 364	6 101	2	1

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	BOSTON SMSA—Con.											
15,16, 17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	92	1 436	30 580	134 677	97 770	70 305	34 227	36 907	10 010	7	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	10	276	7 106	24 207	19 771	13 525	(D)	4 436	100	4	1
1623	Water, sewer, and utility lines -----	67	1 321	22 756	85 044	79 061	52 157	27 914	5 983	2 332	6	6
1629	Heavy construction, n.e.c. -----	70	1 769	42 084	172 114	124 393	81 507	49 006	47 721	2 801	3	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	817	7 030	146 494	505 287	438 177	272 760	177 612	67 110	5 252	3	2
1721	Painting, paper hanging, and decorating -----	349	2 294	31 400	90 450	84 435	64 562	20 123	6 015	963	6	6
1731	Electrical work -----	642	5 909	125 803	407 327	393 633	231 316	166 775	13 694	5 371	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	242	1 841	31 492	100 626	93 824	61 216	32 764	6 802	1 041	5	7
1742	Plastering, drywall, and insulation work -----	183	1 965	38 385	114 916	104 975	65 331	43 031	9 941	1 155	5	4
1743	Terrazzo, tile, marble, and mosaic work -----	46	264	4 540	17 331	16 000	8 960	7 285	1 331	*57	21	17
175	Carpentering and flooring:											
1751	Carpentering -----	460	1 878	25 094	93 203	75 256	45 698	30 546	17 947	1 680	8	6
1752	Floor laying and other floorwork -----	106	711	12 836	54 843	52 274	27 485	(D)	2 570	579	10	5
1761	Roofing and sheet metal work -----	257	2 388	37 632	122 603	115 772	73 304	46 255	6 831	1 744	7	7
1771	Concrete work -----	169	1 024	15 435	53 584	50 156	29 826	20 504	3 428	1 698	10	9
1781	Water well drilling -----	5	74	1 404	4 480	4 415	2 814	(C)	65	(D)	9	7
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	37	608	10 079	19 597	19 011	14 735	4 795	586	407	14	11
1793	Glass and glazing work -----	45	510	10 040	39 852	38 311	20 846	18 991	1 541	420	11	7
1794	Excavating and foundation work -----	151	1 744	34 854	108 361	101 670	78 791	27 177	6 691	3 604	6	4
1795	Wrecking and demolition work -----	20	269	5 062	11 643	9 893	8 655	2 232	1 750	620	2	3
1796	Installing building equipment, n.e.c. -----	57	854	22 871	59 042	57 695	39 846	(D)	1 347	396	2	2
1799	Special trade contractors, n.e.c. -----	217	1 345	22 218	65 230	61 534	39 645	22 668	3 697	1 418	7	7
6552	Subdividers and developers, n.e.c. -----	55	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	BROCKTON SMSA											
	Construction industries and subdividers and developers	274	2 366	48 647	164 087	137 338	96 905	52 238	26 749	2 946	6	4
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	14	52	1 107	7 862	*5 454	*3 674	(D)	*2 408	(D)	33	45
1522	Other residential buildings -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1531	Operative builders -----	*6	*6	*60	(S)	(S)	(S)	(S)	(S)	-	53	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	7	84	1 495	10 359	5 510	3 143	2 367	4 849	(D)	17	18
1542	Nonresidential buildings, n.e.c. -----	5	79	1 587	11 254	(D)	(D)	1 780	(D)	(D)	(W)	-
16	Heavy construction general contractors:											
1611	Highway and street construction -----	*4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines -----	10	*123	1 931	7 448	6 433	3 913	2 521	1 015	(D)	45	27
1629	Heavy construction, n.e.c. -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D)

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	BROCKTON SMSA—Con.											
15,16, 17	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	43	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
1721	Painting, paper hanging, and decorating -----	*9	*32	*360	*721	*715	*473	*242	*6	(S)	63	63
1731	Electrical work -----	31	656	20 289	38 990	(D)	40 621	9 628	(D)	431	7	-
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	24	58	652	2 609	2 549	1 701	(D)	*60	(D)	30	39
1742	Plastering, drywall, and insulation work -----	*16	121	1 717	5 563	5 522	3 275	*2 247	*41	(S)	37	31
1743	Terrazzo, tile, marble, and mosaic work -----	*6	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	32	170	2 362	9 555	9 022	5 699	3 329	533	(S)	19	11
1752	Floor laying and other floorwork -----	*4	*14	*366	*1 222	*968	*521	*447	*254	*27	60	65
1761	Roofing and sheet metal work -----	16	142	2 794	9 724	9 564	5 083	(D)	160	(D)	12	9
1771	Concrete work -----	7	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1781	Water well drilling -----	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*6	(S)	*812	*1 505	*1 498	(S)	*210	*8	(S)	-	67
1793	Glass and glazing work -----	4	136	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7	-
1794	Excavating and foundation work -----	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1795	Wrecking and demolition work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c. -----	*15	*66	*655	*2 990	*2 893	*1 549	*1 354	97	(D)	48	60
6552	Subdividers and developers, n.e.c. -----	-	-	-	-	-	-	-	-	-	-	-
	LAWRENCE-HAVERHILL, MASS.-N.H., SMSA											
	Construction industries and subdividers and developers	412	2 940	47 569	181 541	150 917	94 924	62 134	30 625	4 270	6	6
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	69	163	1 899	11 092	8 140	5 332	2 856	2 952	*75	19	30
1522	Other residential buildings -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1531	Operative builders -----	16	91	1 234	7 770	5 304	3 345	2 116	2 466	90	33	27
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	7	106	(D)	(D)	4 694	2 619	(D)	(D)	(D)	2	(W)
1542	Nonresidential buildings, n.e.c. -----	19	176	3 206	18 296	(D)	2 759	(D)	(D)	(D)	31	-
16	Heavy construction general contractors:											
1611	Highway and street construction -----	*5	76	1 845	9 417	(D)	4 261	4 073	(D)	(D)	19	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines -----	8	222	3 727	18 079	16 479	7 984	(D)	1 600	1 735	11	9
1629	Heavy construction, n.e.c. -----	*10	59	1 453	4 988	4 499	2 943	(D)	*489	(D)	34	20
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	52	440	7 731	23 734	(D)	15 631	9 360	(D)	*487	12	-
1721	Painting, paper hanging, and decorating -----	42	145	1 829	5 063	4 454	3 103	1 364	*609	(S)	31	32
1731	Electrical work -----	22	425	8 472	21 155	(D)	14 674	7 032	(D)	150	7	-
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	21	87	1 152	2 808	2 746	1 699	1 047	*62	(S)	16	16
1742	Plastering, drywall, and insulation work -----	6	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1743	Terrazzo, tile, marble, and mosaic work -----	3	14	*183	*590	*585	282	*303	*5	*18	39	42
175	Carpentering and flooring:											
1751	Carpentering -----	*19	*133	*1 376	*4 320	*3 769	*2 179	(D)	*551	(D)	58	46
1752	Floor laying and other floorwork -----	*4	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work -----	23	209	1 828	9 684	8 455	4 044	(D)	*1 229	450	34	31

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	LAWRENCE-HAVERHILL, MASS.-N.H., SMSA—Con.											
15,16, 17	Construction industries—Con.											
17	Special trade contractors—Con.											
175	Carpentering and flooring—Con.											
1771	Concrete work	7	71	843	*1 985	(D)	1 409	*778	(D)	(S)	28	-
1781	Water well drilling	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work	33	124	1 778	5 988	5 697	4 373	2 385	*291	*451	23	25
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	*8	*30	*519	*1 284	*1 279	*975	*305	(S)	(S)	75	61
1799	Special trade contractors, n.e.c.	30	147	2 098	11 194	(D)	4 211	5 904	(D)	(D)	30	-
6552	Subdividers and developers, n.e.c.	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	LOWELL, MASS.-N.H., SMSA											
	Construction industries and subdividers and developers ..	408	2 268	30 735	122 280	99 251	59 539	41 601	23 029	1 930	8	6
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	50	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	17	66	598	4 317	2 716	1 779	946	1 602	23	40	31
1531	Operative builders	14	*44	*488	*4 437	*1 709	(S)	*1 576	*2 728	(S)	45	59
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	*12	*63	(D)	(D)	*2 098	*818	(D)	(D)	(S)	50	48
1542	Nonresidential buildings, n.e.c.	25	140	2 258	13 854	7 309	4 730	2 580	6 545	*63	32	31
16	Heavy construction general contractors:											
1611	Highway and street construction	8	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines	*6	81	1 559	3 910	3 778	2 472	(D)	132	(D)	35	37
1629	Heavy construction, n.e.c.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	50	268	5 534	19 953	17 567	9 884	7 709	2 386	64	17	15
1721	Painting, paper hanging, and decorating	27	*63	*404	*1 560	*1 515	*1 205	*310	(S)	(S)	48	51
1731	Electrical work	41	232	2 873	8 786	8 511	5 458	3 069	275	139	19	20
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	24	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1742	Plastering, drywall, and insulation work	12	233	2 480	7 411	6 459	3 820	(D)	952	28	19	15
1743	Terrazzo, tile, marble, and mosaic work	3	14	*204	495	*420	*122	*298	*75	-	39	41
175	Carpentering and flooring:											
1751	Carpentering	25	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1752	Floor laying and other floorwork	*6	*15	*111	*507	*453	*372	*90	*54	-	60	58
1761	Roofing and sheet metal work	16	191	2 783	8 659	7 959	4 675	3 307	700	(D)	23	18
1771	Concrete work	24	157	1 944	8 015	7 627	4 213	(D)	388	(D)	28	13
1781	Water well drilling	*6	*22	*244	*1 335	*1 335	*767	*568	-	(D)	64	58
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1793	Glass and glazing work	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work	*10	*64	*1 227	3 703	3 516	3 096	*480	(S)	(S)	44	28
1795	Wrecking and demolition work	-	-	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c.	*6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c.	20	103	1 308	5 192	(D)	2 629	2 147	(D)	(D)	17	-
6552	Subdividers and developers, n.e.c.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PROVIDENCE-WARWICK-PAWTUCKET, R.I.-MASS., SMSA											
	Construction industries and subdividers and developers	224	1 202	18 707	105 450	44 382	19 551	25 696	61 068	1 168	12	7
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	44	127	870	4 171	3 040	2 042	(D)	1 132	*63	35	29
1522	Other residential buildings	4	(S)	(S)	(S)	(D)	(S)	(D)	(D)	(D)	-	-
1531	Operative builders	*3	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	5	*42	*776	*6 813	*3 030	*1 067	*1 963	*3 783	81	41	47
1542	Nonresidential buildings, n.e.c.	9	133	3 179	29 461	(D)	(D)	(D)	(D)	213	13	-
16	Heavy construction general contractors:											
1611	Highway and street construction	*13	61	1 004	3 334	(D)	1 448	1 377	(D)	40	23	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines	13	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1629	Heavy construction, n.e.c.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	23	68	1 355	3 570	3 492	1 546	1 955	*78	(D)	25	22
1721	Painting, paper hanging, and decorating	*10	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1731	Electrical work	*10	*47	*842	*2 126	*2 118	*1 206	*913	*8	(S)	48	47
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	*5	5	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1742	Plastering, drywall, and insulation work	4	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1743	Terrazzo, tile, marble, and mosaic work	-	-	-	-	-	-	-	-	-	-	-
175	Carpentering and flooring:											
1751	Carpentering	22	*40	*380	*2 148	*1 538	*740	(D)	(S)	-	43	50
1752	Floor laying and other floorwork	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work	*7	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1771	Concrete work	*17	*176	1 270	3 537	*3 370	*2 445	*987	*167	*63	57	42
1781	Water well drilling	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	-	-	-	-	-	-	-	-	-	-	-
1793	Glass and glazing work	-	-	-	-	-	-	-	-	-	-	-
1794	Excavating and foundation work	22	83	1 177	5 058	(D)	2 955	1 597	(D)	120	24	-
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	-	-	-	-	-	-	-	-	-	-	-
1799	Special trade contractors, n.e.c.	*10	53	681	3 434	3 130	1 604	(D)	304	*20	27	25
6552	Subdividers and developers, n.e.c.	-	-	-	-	-	-	-	-	-	-	-
	SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA											
	Construction industries and subdividers and developers	910	6 702	111 662	483 758	334 691	208 296	135 783	149 067	6 637	4	3
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	91	270	2 705	16 736	13 112	7 098	6 221	3 625	101	20	15
1522	Other residential buildings	15	289	6 371	48 074	16 942	(D)	9 201	31 132	(D)	3	2
1531	Operative builders	14	*58	*672	*4 375	*2 872	*1 550	*1 425	*1 503	(D)	55	49
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	21	534	13 571	118 990	(D)	24 627	16 922	(D)	435	6	-
1542	Nonresidential buildings, n.e.c.	42	463	8 725	41 681	23 880	14 932	9 130	17 801	840	18	13

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA—Con.											
15,16,17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	10	59	*1 100	3 890	*3 489	2 536	*1 028	401	80	38	41
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines -----	13	95	1 640	5 246	4 819	3 219	(D)	427	425	28	21
1629	Heavy construction, n.e.c. -----	11	106	1 717	3 635	3 154	2 158	(D)	481	42	30	32
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	153	1 005	16 866	55 923	51 096	32 398	21 337	4 827	1 117	10	9
1721	Painting, paper hanging, and decorating -----	44	241	2 429	5 217	5 091	4 184	907	*126	*167	23	20
1731	Electrical work -----	94	671	13 337	32 932	32 667	20 751	(D)	265	465	11	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	56	286	3 459	9 662	9 410	6 001	(D)	252	*78	19	18
1742	Plastering, drywall, and insulation work -----	27	361	5 169	13 208	12 404	8 287	(D)	804	71	12	11
1743	Terrazzo, tile, marble, and mosaic work -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
175	Carpentering and flooring:											
1751	Carpentering -----	83	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1752	Floor laying and other floorwork -----	*7	*19	305	(D)	(D)	(D)	515	(D)	—	47	—
1761	Roofing and sheet metal work -----	46	401	6 502	22 111	20 225	11 151	(D)	1 887	172	14	10
1771	Concrete work -----	45	317	5 750	22 548	20 543	14 666	6 120	2 005	589	17	10
1781	Water well drilling -----	*5	*16	*286	*985	*971	*519	*452	*14	*45	52	56
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1793	Glass and glazing work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1794	Excavating and foundation work -----	47	255	3 724	12 890	11 755	9 286	3 427	1 135	813	21	17
1795	Wrecking and demolition work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1796	Installing building equipment, n.e.c. -----	6	219	3 557	11 526	(D)	7 035	3 795	(D)	(D)	(W)	—
1799	Special trade contractors, n.e.c. -----	63	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
6552	Subdividers and developers, n.e.c. -----	*5	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—

New Hampshire

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SUMMARY OF FINDINGS

During 1982, 8,433 establishments in New Hampshire operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.5 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 5,740 establishments in this State with no payroll accounted for about 13 percent of all business receipts for all construction establishments in New Hampshire. On the other hand, 2,693 establishments classified as "employers" accounted for 87 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.35 billion, of which \$1.31 billion were receipts for construction work. These establishments paid \$239 million for construction work subcontracted to others, leaving net construction receipts of about \$1.07 billion. Value added for these establishments amounted to \$672 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in New Hampshire paid \$393 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$34.3 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in New Hampshire was 23.2 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 7.0 million hours, while hours worked during the third quarter were 10.0 million hours.

Total payroll for 1982 was \$415 million. Payments of \$81.1 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for New Hampshire are based on a sample of about 1,050 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees* ^a	All business receipts		
													A	B
15,16, 17	1982													
	Construction Industries and subdividers and developers-----	8 433	6 819	23 234	1 546 638	5 740	5 726	201 456	2 693	1 093	23 234	1 345 182	2	2
	Construction industries' ^a -----	8 280	6 733	23 125	1 520 461	5 621	5 644	181 547	2 659	1 089	23 125	1 338 914	2	2
	General building contractors and operative builders-----	2 027	1 552	4 960	498 530	1 265	1 256	66 971	762	296	4 960	431 559	4	4
	Heavy construction, general contractors -	413	308	7 885	418 120	269	273	13 710	144	35	7 885	404 410	1	1
	Special trade contractors-----	5 840	4 873	10 280	603 811	4 087	4 115	100 866	1 753	758	10 280	502 945	4	3
	Plumbing, heating, and air conditioning----	681	504	1 582	120 163	410	414	13 625	271	90	1 582	106 538	8	6
	Electrical work-----	694	501	2 177	136 034	425	421	9 905	269	80	2 177	126 129	4	3
	Subdividers and developers, n.e.c. ^a -----	146	85	*105	26 174	119	82	19 909	27	(S)	*105	6 265	44	36
	1977													
15,16, 17	Construction Industries and subdividers and developers-----	7 413	6 284	17 548	895 800	4 413	4 489	84 979	3 000	1 795	17 548	810 821	3	3
	Construction industries' ^a -----	7 285	6 176	17 336	866 316	4 323	4 402	80 367	2 962	1 774	17 336	785 949	3	3
	General building contractors and operative builders-----	2 086	1 627	6 411	418 577	946	966	33 757	1 140	661	6 411	384 820	5	4
	Heavy construction, general contractors -	350	224	3 233	161 580	152	156	3 573	198	68	3 233	158 007	7	5
	Special trade contractors-----	4 849	4 325	7 692	286 159	3 225	3 280	43 037	1 624	1 045	7 692	243 122	5	4
	Plumbing, heating, and air conditioning----	610	476	1 468	67 676	336	345	6 850	274	131	1 468	60 826	7	8
	Electrical work-----	594	506	912	39 393	370	375	4 761	224	131	912	34 632	10	10
	Subdividers and developers, n.e.c. ^a -----	132	109	214	29 488	90	87	4 612	42	22	214	24 876	18	25

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	8 433	6 819	23 234	1 546 638	5 740	5 726	201 456	2 693	1 093	23 234	1 345 182	2	2
\$10,000,000 or more	11	—	7 819	443 548	—	—	—	11	—	7 819	443 548	(W)	(W)
\$5,000,000 to \$9,999,999	20	—	1 276	(D)	—	—	—	20	—	1 276	(D)	(W)	—
\$2,500,000 to \$4,999,999	51	—	2 294	(D)	2	—	(D)	49	—	2 294	(D)	(W)	—
\$1,000,000 to \$2,499,999	122	17	2 255	499 038	13	13	27 491	109	4	2 255	471 547	6	3
\$500,000 to \$999,999	207	18	2 187	145 039	13	10	8 603	194	*8	2 187	136 436	8	10
\$250,000 to \$499,999	401	125	2 318	139 558	51	42	18 047	350	83	2 318	121 511	10	8
\$100,000 to \$249,999	1 020	644	2 993	155 731	275	268	39 738	745	376	2 993	115 993	9	7
\$50,000 to \$99,999	1 071	837	1 137	76 672	550	558	37 977	521	279	1 137	38 695	9	8
\$25,000 to \$49,999	1 388	1 247	565	49 621	1 030	1 044	36 243	358	203	565	13 378	10	11
Less than \$25,000	4 141	3 930	389	37 430	3 806	3 791	33 357	335	139	389	4 073	8	11
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	1 509	1 515	23 792	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	977	969	6 694	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	821	812	2 372	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	499	495	499	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	7 413	6 284	17 548	895 800	4 413	4 489	84 979	3 000	1 795	17 548	810 821	3	3
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	19	—	2 723	(D)	—	—	—	19	—	2 723	(D)	(W)	—
\$2,500,000 to \$4,999,999	22	1	1 265	259 027	—	—	—	22	1	1 265	259 027	(W)	(W)
\$1,000,000 to \$2,499,999	97	21	2 351	146 390	3	2	3 243	94	19	2 351	143 147	9	9
\$500,000 to \$999,999	161	27	1 731	119 141	8	7	5 118	153	20	1 731	114 023	11	7
\$250,000 to \$499,999	305	172	2 526	106 404	15	19	5 010	290	153	2 526	101 394	11	11
\$100,000 to \$249,999	812	464	3 335	127 003	72	69	9 836	740	395	3 335	117 167	7	7
\$50,000 to \$99,999	963	691	2 084	65 884	219	222	14 930	744	469	2 084	50 954	12	10
\$25,000 to \$49,999	1 107	1 008	1 029	38 172	558	586	18 893	549	422	1 029	19 279	14	12
Less than \$25,000	3 928	3 903	(S)	33 780	3 538	3 584	27 949	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	1 499	1 461	(S)	23 757	1 204	1 230	18 527	(S)	(S)	(S)	(S)	—	—
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	969	987	6 583	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	840	843	2 442	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	525	524	397	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	2 693	23 234	19 318	415 353	331 372	34 520	1 306 758	1 067 783
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	503	1 951	1 642	22 665	17 692	2 644	124 668	90 889
1522	Other residential buildings -----	44	377	330	5 379	3 584	470	29 342	18 859
1531	Operative builders -----	84	424	270	7 547	4 301	523	146 344	25 682
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	27	422	341	6 508	4 828	649	35 993	19 870
1542	Nonresidential buildings, n.e.c. -----	104	1 786	1 456	29 957	20 956	2 481	182 685	86 827
16	Heavy construction general contractors:								
1611	Highway and street construction -----	47	1 386	1 120	25 421	18 771	2 266	118 587	110 458
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	6	156	131	3 237	2 347	268	17 894	14 391
1623	Water, sewer, and utility lines -----	32	369	326	5 390	4 448	564	15 914	14 533
1629	Heavy construction, n.e.c. -----	59	5 974	5 191	(D)	(D)	(D)	240 536	224 671
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	271	1 582	1 175	27 046	19 890	2 113	102 623	88 745
1721	Painting, paper hanging, and decorating -----	138	693	592	8 127	6 350	867	21 077	19 836
1731	Electrical work -----	269	2 177	1 748	42 392	34 663	4 201	124 303	122 109
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	107	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1742	Plastering, drywall, and insulation work -----	112	1 187	1 011	15 750	12 337	1 268	47 878	44 425
1743	Terrazzo, tile, marble, and mosaic work -----	*17	73	62	(D)	476	55	2 922	2 862
175	Carpentering and flooring:								
1751	Carpentering -----	279	1 037	983	9 986	9 378	1 140	31 230	28 138
1752	Floor laying and other floorwork -----	33	74	65	(D)	785	112	3 529	3 473
1761	Roofing and sheet metal work -----	77	633	487	8 928	6 304	784	31 547	30 139
1771	Concrete work -----	84	429	366	5 695	4 590	570	17 162	16 276
1781	Water well drilling -----	32	99	79	1 537	1 182	132	6 084	5 851
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	7	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work -----	20	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work -----	226	1 028	871	13 001	11 286	1 473	46 815	42 989
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	12	171	136	3 893	3 098	246	12 009	11 779
1799	Special trade contractors, n.e.c. -----	65	(D)	347	5 776	4 074	575	19 721	18 592
6552	Subdividers and developers, n.e.c. -----	27	*105	*57	*1 169	*496	*129	13 615	2 952

†Land receipts for SIC 1531 were \$5,395; for SIC 6552 were \$1,458.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
672 103	427 249	238 975	13 918	19 527	277 357	17 548	775 529	330 329	2	2	5	15,16, 17
												15
46 422 10 323	46 061 8 754	33 778 10 482	1 053 298	1 719 252	11 872 2 218	2 906 154	114 981 10 510	42 292 2 377	8 13	8 7	10 2	152 1521 1522
11 646	16 098	20 662	242	396	10 257	804	90 371	22 101	13	12	11	1531
11 177 47 776	8 730 42 269	16 123 95 858	523 1 469	583 1 647	6 634 19 921	697 1 850	35 890 118 427	11 382 33 685	9 5	11 4	23 3	154 1541 1542
												16
68 279	49 091	8 129	2 919	5 639	66 074	1 659	81 292	41 291	3	1	1	1611
6 801 10 743 184 349	7 590 (D) 43 881	3 503 1 381 15 865	443 688 1 279	477 438 668	5 382 7 158 22 053	224 383 967	14 116 17 619 38 624	5 610 9 580 19 335	13 8 1	6 11 1	6 6 3	162 1622 1623 1629
												17
46 856	45 803	13 878	993	1 170	15 005	1 468	58 846	31 084	8	6	11	1711
15 240	5 407	*1 241	291	*1 088	5 104	588	9 489	6 807	14	17	48	1721
67 442	56 492	2 194	539	994	45 850	912	34 572	16 826	4	3	12	1731
(S) 26 721 1 318	(S) 18 599 (D)	(S) 3 453 60	(S) 453 (D)	(S) 527 —	(S) 3 351 50	378 990 (D)	8 743 27 871 (D)	5 521 16 268 (D)	— 10 22	— 10 16	— 7 —	174 1741 1742 1743
16 114 1 946	12 045 *1 599	3 092 *56	131 24	573 25	3 279 246	365 163	8 305 3 980	5 163 2 197	17 32	11 40	21 25	175 1751 1752
15 546	14 968	1 408	594	318	4 556	601	16 520	9 551	12	11	11	1761
10 728	6 013	885	337	698	4 738	535	17 609	9 679	18	15	21	1771
3 331	2 526	*232	31	53	3 710	147	5 711	3 366	25	24	(W)	1781
(S) (S) 31 630 (D) 8 674 (D)	(S) (S) 12 558 (D) (D) 9 024	(S) (S) 3 826 (D) 230 1 129	(S) (D) 930 (D) 136 273	(S) (D) 1 138 (D) 128 585	(S) (S) 24 559 (D) 889 7 034	*29 (S) 878 (D) 80 453	*823 (S) 24 642 1 102 3 535 13 479	*606 (S) 17 681 898 2 722 8 012	— — 11 — 16 —	— — 11 — 7 19	— — 18 — 22 39	179 1791 1793 1794 1795 1796 1799
*3 000	*1 143	663	41	152	2 984	214	16 456	5 081	44	39	21	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	2 693	3 000	2 924	2 226	3	5	5	4
Number of establishments in business at end of year	2 596	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners	1 093	1 795	1 830	1 682	6	8	7	7
All employees**	23 234	17 548	18 631	11 800	2	3	4	3
Construction workers:								
March	15 669	11 481	12 118	7 624	2	3	4	3
May	19 592	15 552	16 053	10 127	2	3	5	3
August	21 493	17 465	18 480	11 952	2	3	4	3
November	19 381	16 311	16 670	10 749	2	4	4	3
Average	19 318	15 220	16 204	10 333	2	3	4	3
Other employees:								
March	3 889	2 176	2 267	1 370	3	4	4	4
Construction worker hours (thousands):								
January to March	6 990	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	8 618	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	9 982	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	8 928	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	34 520	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	415 353	174 003	147 260	69 769	1	3	3	3
Payroll, construction workers	331 372	141 663	117 904	58 632	1	3	3	3
Payroll, other employees	83 981	32 340	29 356	11 146	2	3	3	4
First quarter payroll, all employees	82 482	31 338	(NA)	(NA)	1	3	(NA)	(NA)
Employer costs for fringe benefits	81 105	27 674	(NA)	(NA)	1	3	(NA)	(NA)
Legally required expenditures	52 681	19 936	(NA)	(NA)	2	3	(NA)	(NA)
Voluntary expenditures	28 423	7 738	(NA)	(NA)	1	2	(NA)	(NA)
All business receipts	1 345 182	810 821	603 315	288 106	2	3	3	2
Total construction receipts	1 306 758	775 529	584 606	282 146	2	3	3	2
Receipts for work subcontracted in from others	268 889	166 369	94 624	48 408	4	3	6	6
Land receipts ¹	6 853	(NA)	(NA)	(NA)	15	(NA)	(NA)	(NA)
Other business receipts	31 570	35 292	18 709	6 008	5	13	12	10
Net construction receipts†	1 067 783	604 260	453 886	223 399	2	3	3	2
Value added††	672 103	330 329	271 747	133 911	1	3	3	2
Selected payments	666 225	461 188	325 682	152 681	2	3	3	2
Materials, components, and supplies ²	392 959	273 876	194 962	93 793	2	3	4	2
Construction work subcontracted to others	238 975	171 269	130 720	58 744	3	7	3	3
Selected power, fuels, and lubricants	34 290	16 043	(NA)	(NA)	2	4	(NA)	(NA)
Electricity	5 094	1 944	(NA)	(NA)	3	5	(NA)	(NA)
Natural gas	833	500	(NA)	(NA)	17	18	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	25 786	11 726	(NA)	(NA)	2	5	(NA)	(NA)
Other, including lubricating oils and greases	2 577	1 872	(NA)	(NA)	5	10	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	692	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	13 918	13 751	(NA)	(NA)	3	4	(NA)	(NA)
For machinery and equipment	10 292	11 965	8 415	6 667	4	3	4	5
For structures	3 625	1 786	(NA)	(NA)	6	8	(NA)	(NA)
Selected purchased services	22 317	24 658	(NA)	(NA)	4	26	(NA)	(NA)
Communication services	6 484	*10 292	(NA)	(NA)	7	61	(NA)	(NA)
Repairs to structures and related facilities	1 408	1 469	(NA)	(NA)	10	26	(NA)	(NA)
Repairs to machinery and equipment	14 424	12 898	(NA)	(NA)	4	4	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 306 758	775 529	584 606	282 146	2	3	3	2
Government owned	208 992	155 598	155 049	102 083	7	4	3	3
Privately owned	1 097 766	619 931	429 557	180 063	2	3	5	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	263 303	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	19 527	28 126	25 083	7 787	5	8	11	6
New -----	14 119	22 450	19 895	6 081	7	10	13	6
Used -----	5 407	5 675	5 188	1 706	6	11	16	14
Retirements and disposition of depreciable assets -----	5 473	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	277 357	164 874	118 672	(NA)	3	3	6	(NA)
Depreciation charges during year -----	33 037	15 222	14 341	(NA)	3	4	8	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	47 707	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 275	*4 781	5 568	1 128	10	38	24	27
New structures and related facilities -----	1 761	4 408	2 679	436	10	36	23	22
Used structures and related facilities -----	514	*373	2 889	692	19	41	26	32
Retirements and disposition of depreciable assets -----	592	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	49 391	34 660	26 574	(NA)	5	6	11	(NA)
Depreciation charges during year -----	4 629	1 510	1 579	(NA)	7	8	14	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	215 596	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	17 251	23 345	19 515	6 659	6	9	13	8
New machinery and equipment, including automobiles and trucks -----	12 358	18 042	17 216	5 645	8	7	12	6
New automobiles and trucks, intended primarily for highway use -----	4 986	8 950	(NA)	(NA)	9	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	4 893	5 303	2 299	1 014	6	12	15	10
Retirements and disposition of depreciable assets -----	4 881	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	227 966	130 215	92 098	(NA)	3	4	7	(NA)
Depreciation charges during year -----	28 408	13 713	12 762	(NA)	4	4	8	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	2 693	3
Total construction receipts	1 306 758	2
Establishments with inventories:		
Number	851	11
Total construction receipts	581 342	3
Inventories¹:		
End of 1982, total	28 114	11
Value for establishments with LIFO reserve	255	4
Amount of LIFO reserve	159	6
Value for establishments with no LIFO reserve	27 859	11
End of 1981, total	24 443	18
Value for establishments with LIFO reserve	457	21
Amount of LIFO reserve	249	18
Value for establishments with no LIFO reserve	23 986	19
Establishments with no inventories:		
Number	1 842	3
Total construction receipts	725 416	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
1982											
Number of establishments -----	2 693	1 853	473	215	107	28	10	3	1	2	
All employees** -----	23 234	3 725	3 099	2 856	3 276	1 776	1 391	896	6 214	(D)	
Payroll, all employees -----	415 353	37 518	39 534	43 544	52 471	35 255	24 086	16 245	166 699	(D)	
Construction worker hours (thousands) -----	34 520	4 845	3 877	3 869	4 324	2 706	1 937	1 391	11 567	(D)	
All business receipts -----	1 345 182	190 895	165 980	164 337	364 978	(D)	458 992	(D)	(D)	(D)	
Total construction receipts -----	1 306 758	185 592	157 931	159 942	218 736	137 837	101 148	103 135	242 436	(D)	
Net construction receipts† -----	1 067 783	156 705	124 965	130 165	169 758	107 562	72 717	305 911	(D)	(D)	
Value added†† -----	672 103	88 605	78 630	73 199	99 262	56 051	44 852	231 503	(D)	(D)	
Payments for materials, components, supplies, and fuels -----	427 250	71 120	51 939	60 613	75 696	53 334	114 546	(D)	(D)	(D)	
Payments for construction work subcontracted to others -----	238 975	28 887	32 966	29 777	48 978	30 275	28 431	39 660	(D)	(D)	
Rental payments for machinery, equipment, and structures -----	13 918	1 825	1 281	2 214	4 068	1 925	2 603	(D)	(D)	(D)	
Capital expenditures, other than land -----	19 527	3 670	2 498	2 638	3 812	1 651	4 132	1 124	(D)	(D)	
End-of-year gross book value of depreciable assets -----	277 357	42 644	37 472	38 391	39 571	17 725	31 342	70 211	(D)	(D)	
1977											
All employees** -----	17 548	4 229	3 168	3 557	2 642	1 571	2 381	(D)	-	-	
Total construction receipts -----	775 529	179 512	122 654	125 597	123 101	224 666	(D)	(D)	-	-	
Value added†† -----	330 329	74 657	54 572	64 675	52 209	84 215	(D)	(D)	-	-	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	5	8	8	7	(W)	(W)	(W)	(W)	-	
Net construction receipts† -----	2	6	8	6	3	(W)	(W)	(W)	(W)	-	
Capital expenditures, other than land -----	5	12	36	12	3	(W)	(W)	(W)	(W)	-	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	2 693	335	358	521	745	350	194	109	49	20	11
All employees** -----	23 234	389	565	1 137	2 993	2 318	2 187	2 255	2 294	1 276	7 819
Payroll, all employees -----	415 353	1 218	3 605	10 221	31 224	30 590	33 393	39 472	41 006	26 044	198 578
Construction worker hours (thousands) -----	34 520	279	611	1 480	3 595	3 107	2 945	3 059	3 458	2 021	13 960
All business receipts -----	1 345 182	4 073	13 378	38 695	115 993	121 511	136 436	471 547	(D)	(D)	443 548
Total construction receipts -----	1 306 758	3 963	13 190	37 821	113 475	118 635	129 148	162 260	163 194	132 104	432 965
Net construction receipts† -----	1 067 783	3 604	12 211	34 743	102 931	101 775	99 308	128 747	130 576	90 731	363 156
Value added†† -----	672 103	2 036	7 179	20 350	63 049	60 592	58 844	76 445	70 970	45 157	267 477
Payments for materials, components, supplies, and fuels -----	427 250	1 618	5 138	14 946	42 122	43 097	45 260	56 522	64 036	48 244	106 262
Payments for construction work subcontracted to others -----	238 975	359	979	3 078	10 544	16 860	29 840	33 513	32 618	41 373	69 809
Rental payments for machinery, equipment, and structures -----	13 918	51	185	315	1 018	1 204	1 368	2 392	2 845	2 032	2 505
Capital expenditures, other than land -----	19 527	*44	244	1 330	2 320	1 622	2 115	2 242	2 854	1 779	4 976
End-of-year gross book value of depreciable assets -----	277 357	1 180	3 818	10 934	30 226	25 866	32 173	26 577	27 443	21 026	98 111
1977											
All employees** -----	17 548	(S)	1 029	2 084	3 335	2 526	1 731	2 351	1 265	12 723	(NA)
Total construction receipts -----	775 529	(S)	19 085	49 703	113 804	98 354	105 252	132 318	125 125	(D)	(NA)
Value added†† -----	330 329	(S)	10 116	26 779	56 281	51 599	38 110	54 510	189 977	(D)	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	8	10	9	9	10	8	6	(W)	(W)	(W)
Net construction receipts† -----	2	12	8	8	7	9	8	6	(W)	(W)	(W)
Capital expenditures, other than land -----	5	45	32	21	19	19	40	8	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	1 306 758	1 065 928	240 830	2	2	3
Building construction	740 999	589 811	151 187	2	2	4
Single-family houses	253 207	202 435	50 771	6	7	9
Single-family houses, detached	208 691	161 136	47 554	7	6	9
Single-family houses, attached	44 516	41 299	3 216	10	8	14
Apartment buildings with two or more apartments	80 874	70 212	10 662	6	6	13
Other residential buildings	14 428	9 382	5 045	7	11	9
Office and bank buildings	109 341	89 961	19 379	2	2	4
Office buildings	91 333	77 001	14 332	2	2	5
Bank buildings and other financial institutions	18 007	12 960	5 047	10	11	9
Industrial buildings and warehouses	111 662	77 408	34 254	4	4	7
Industrial buildings	98 507	66 407	32 099	5	4	6
Warehouses	13 154	11 000	2 154	11	13	21
Stores, restaurants, public garages, and automobile service stations	51 555	40 393	11 162	6	7	9
Religious buildings	5 052	3 344	1 707	9	9	13
Educational buildings	32 547	27 728	4 818	3	3	9
Hospitals and institutional buildings	49 773	41 852	7 921	3	3	6
Other nonresidential buildings	32 560	27 096	5 468	21	28	17
Nonbuilding construction	440 759	370 495	70 263	1	1	4
Highways, streets, and related facilities	100 549	55 957	44 591	1	2	2
Bridges, tunnels, and elevated highways	17 016	13 459	3 556	8	(W)	40
Power and communication transmission lines, towers, and related facilities	6 062	3 815	2 246	10	12	13
Sewers, water mains, and related facilities	24 433	18 655	5 778	9	9	13
Sewers, sewer lines, and related facilities	16 469	13 919	2 550	11	10	18
Water mains and related facilities	7 964	4 736	3 228	18	20	17
Sewage treatment and water treatment plants	18 778	17 023	1 754	4	3	18
Sewage treatment plants	17 225	(D)	(D)	4	—	—
Water treatment plants	1 552	(D)	(D)	5	—	—
Heavy industrial facilities	251 553	249 430	*2 122	1	(W)	45
Other nonbuilding construction	22 368	12 156	10 216	28	24	27
Construction work, n.s.k.	124 999	105 620	19 378	6	5	9
1977						
Total construction receipts†	775 529	632 682	142 847	3	3	3
Building construction	542 229	456 047	86 182	3	4	4
Single-family houses	273 221	230 796	42 425	6	7	7
Apartment buildings with two or more apartments	39 144	31 987	7 157	8	9	11
Other residential buildings	12 356	8 434	3 922	7	7	12
Office and bank buildings	37 628	31 871	5 757	2	2	8
Industrial buildings and warehouses	82 931	71 115	11 816	3	2	10
Stores, restaurants, public garages, and automobile service stations	35 922	29 788	6 134	5	5	13
Religious buildings	3 472	2 331	1 141	4	3	9
Educational buildings	17 446	15 269	2 177	3	3	9
Hospitals and institutional buildings	29 902	26 649	3 253	1	1	7
Other nonresidential buildings	10 207	7 807	2 400	15	19	8
Nonbuilding construction	183 297	132 531	50 766	4	5	3
Highways, streets, and related facilities	79 793	43 216	36 577	2	3	2
Bridges, tunnels, and elevated highways	(D)	(D)	(D)	—	—	—
Power and communication transmission lines, towers, and related facilities	(D)	(D)	(D)	—	—	—
Sewers, water mains, and related facilities	23 967	21 431	2 536	5	5	12
Sewage treatment and water treatment plants	33 925	33 689	*236	18	18	46
Other nonbuilding construction	27 861	20 596	7 265	8	7	14
Construction work, n.s.k.	50 013	44 025	5 988	13	13	13

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers	2 693	19 318	34 520	15 669	6 990	19 592	8 618
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	503	1 642	2 644	1 294	521	1 575	639
1522	Other residential buildings	44	330	470	348	124	306	116
1531	Operative builders	84	270	523	237	108	287	134
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	27	341	649	282	139	328	157
1542	Nonresidential buildings, n.e.c.	104	1 456	2 481	1 180	527	1 534	655
16	Heavy construction general contractors:							
1611	Highway and street construction	47	1 120	2 266	347	168	1 201	603
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	6	131	268	78	36	131	66
1623	Water, sewer, and utility lines	32	326	564	275	113	364	144
1629	Heavy construction, n.e.c.	59	5 191	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	271	1 175	2 113	1 067	466	1 139	508
1721	Painting, paper hanging, and decorating	138	592	867	394	145	578	230
1731	Electrical work	269	1 748	4 201	1 613	956	1 624	985
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	107	(S)	(S)	(S)	(S)	(S)	(S)
1742	Plastering, drywall, and insulation work	112	1 011	1 268	722	240	892	272
1743	Terrazzo, tile, marble, and mosaic work	*17	62	55	43	(D)	74	14
175	Carpentering and flooring:							
1751	Carpentering	279	983	1 140	708	193	1 016	285
1752	Floor laying and other floorwork	33	65	112	61	*25	68	*29
1761	Roofing and sheet metal work	77	487	784	343	155	489	199
1771	Concrete work	84	366	570	161	70	416	159
1781	Water well drilling	32	79	132	66	30	78	31
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	7	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work	20	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work	226	871	1 473	640	256	893	366
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	12	136	246	129	62	137	60
1799	Special trade contractors, n.e.c.	65	347	575	218	92	360	149
6552	Subdividers and developers, n.e.c.	27	*57	*129	*47	*25	*51	*32

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
21 493	9 982	19 381	8 928	2	2	2	2	2	2	2	2	2	2	15,16, 17
														15
1 740	751	1 759	732	8	8	8	11	8	11	9	10	9	11	152
347	131	301	98	15	12	18	17	19	19	15	12	11	12	1521
														1522
289	141	250	139	14	16	14	20	13	19	15	19	16	19	1531
402	182	349	169	7	7	7	7	8	9	8	8	8	9	154
1 742	726	1 303	572	5	5	5	6	5	5	5	6	5	6	1541
														1542
														16
1 541	889	1 381	604	3	2	7	9	3	3	2	2	2	3	1611
														162
159	85	151	80	12	15	9	12	10	13	14	16	15	19	1622
336	160	329	147	7	7	8	10	8	8	7	8	8	10	1623
5 318	(D)	4 916	(D)	1	-	-	-	-	-	1	-	1	-	1629
														17
1 281	611	1 120	527	7	8	8	10	7	9	7	9	8	10	1711
796	306	509	185	14	15	15	19	15	19	18	20	15	19	1721
1 902	1 155	1 781	1 104	4	3	5	5	4	4	5	4	4	4	1731
														174
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1741
1 156	345	1 228	409	10	10	12	11	11	11	11	12	13	16	1742
80	15	45	(D)	21	14	14	-	27	37	28	37	14	-	1743
														175
1 095	355	953	306	18	10	19	16	25	14	15	12	17	14	1751
63	*28	63	*28	32	38	34	55	30	47	33	49	33	50	1752
555	224	510	205	11	13	11	16	11	15	11	14	11	15	1761
441	188	409	152	18	19	25	30	19	22	17	21	19	21	1771
75	32	85	37	25	28	27	40	25	37	26	37	24	36	1781
														179
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1791
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1793
1 042	461	855	387	11	12	12	16	11	14	11	14	11	14	1794
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1795
130	59	148	63	16	14	14	13	16	17	17	18	14	15	1796
383	168	382	165	19	19	19	23	18	22	19	21	21	23	1799
*63	*32	*60	*37	53	58	53	61	49	63	55	63	50	65	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	8.6	17.9	1.8	67.7	.318	.327	.183	.015	.011
15,16,17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	3.9	11.6	1.6	75.9	.182	.369	.271	.014	.008
1522	Other residential buildings -----	8.6	14.3	1.4	88.9	.183	.298	.357	.009	.010
1531	Operative builders -----	5.0	17.8	1.9	171.6	.163	.347	.446	.009	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	15.6	15.4	1.9	105.6	.181	.243	.448	.016	.015
1542	Nonresidential buildings, n.e.c. -----	17.2	16.8	1.7	125.5	.164	.231	.525	.009	.008
16	Heavy construction general contractors:									
1611	Highway and street construction -----	29.5	18.3	2.0	105.9	.214	.414	.069	.048	.025
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	26.0	20.8	2.0	136.6	.181	.424	.196	.027	.025
1623	Water, sewer, and utility lines -----	11.5	14.6	1.7	48.8	.339	(D)	.087	.028	.043
1629	Heavy construction, n.e.c. -----	101.3	(D)	(D)	46.3	(D)	.182	.066	.003	.005
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	5.8	17.1	1.8	87.3	.264	.446	.135	.011	.010
1721	Painting, paper hanging, and decorating -----	5.0	11.7	1.5	35.6	.386	.257	*.059	*.052	.014
1731	Electrical work -----	8.1	19.5	2.4	71.1	.341	.454	.018	.008	.004
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1742	Plastering, drywall, and insulation work -----	10.6	13.3	1.3	47.4	.329	.388	.072	.011	.009
1743	Terrazzo, tile, marble, and mosaic work -----	*4.3	(D)	.9	47.1	(D)	(D)	.021	-	(D)
175	Carpentering and flooring:									
1751	Carpentering -----	3.7	9.6	1.2	31.8	.320	.386	.099	.018	.004
1752	Floor laying and other floorwork -----	2.2	(D)	1.7	54.3	(D)	*.453	*.016	.007	.007
1761	Roofing and sheet metal work -----	8.2	14.1	1.6	64.8	.283	.474	.045	.010	.019
1771	Concrete work -----	5.1	13.3	1.6	46.9	.332	.350	.052	.041	.020
1781	Water well drilling -----	3.1	15.5	1.7	77.0	.253	.415	*.038	.009	.005
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(D)
1794	Excavating and foundation work -----	4.5	12.6	1.7	53.7	.278	.268	.082	.024	.020
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	14.3	22.8	1.8	88.3	.324	(D)	.019	.011	.011
1799	Special trade contractors, n.e.c. -----	(D)	(D)	1.7	(D)	.293	.458	.057	.030	.014
6552	Subdividers and developers, n.e.c. -----	*3.9	*11.1	*2.3	*63.4	*.323	*.316	.183	.042	.011

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
15,16,17	BOSTON-LAWRENCE-LOWELL, MASS.-N.H., SCSA											
	Construction industries and subdividers and developers	6 527	56 366	1 070 283	4 713 727	3 235 797	2 042 540	1 279 810	1 477 930	77 744	1	1
	Construction industries:											
	General building contractors and operative builders:											
	General contractors, residential buildings:											
	Single-family houses	831	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	Other residential buildings	143	1 301	25 941	175 894	75 976	46 180	(D)	99 919	(D)	7	7
	Operative builders	170	889	13 248	93 042	51 855	34 717	20 747	41 187	1 220	9	12
	General contractors, nonresidential buildings:											
	Industrial buildings and warehouses	106	1 434	32 735	212 665	92 369	60 184	32 840	120 296	1 170	5	5
	Nonresidential buildings, n.e.c.	352	6 568	156 406	1 336 510	470 655	279 229	193 565	865 855	6 695	2	2
	Heavy construction general contractors:											
	Highway and street construction	109	1 756	36 155	162 827	122 732	82 902	47 110	40 095	10 410	6	4
	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	Water, sewer, and utility lines	91	1 747	29 973	114 481	105 751	66 525	40 550	8 730	4 291	6	5
	Heavy construction, n.e.c.	83	1 842	43 670	177 527	129 300	84 694	50 765	48 227	2 823	3	3
	Special trade contractors:											
	Plumbing, heating, and air conditioning	962	7 982	165 133	569 831	493 316	307 261	201 591	76 516	5 951	3	2
	Painting, paper hanging, and decorating	427	2 534	33 993	97 794	91 119	69 343	22 039	6 675	998	7	6
Electrical work	736	7 222	157 437	476 258	462 090	292 069	186 504	14 168	6 091	3	2	
Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework	311	2 049	34 240	109 230	102 185	66 519	35 867	7 045	1 130	5	6	
Plastering, drywall, and insulation work	217	2 359	42 959	128 663	117 686	72 876	48 235	10 977	1 217	4	4	
Terrazzo, tile, marble, and mosaic work	58	298	4 997	18 679	(D)	9 494	8 010	(D)	*84	18	-	
Carpentering and flooring: Carpentering	536	2 255	29 716	109 349	89 984	54 865	36 116	19 365	1 768	8	6	
Floor laying and other floorwork	120	751	13 353	56 932	53 994	28 394	(D)	2 938	618	9	5	
Roofing and sheet metal work	312	2 930	45 037	150 669	141 749	87 105	58 561	8 920	2 403	7	6	
Concrete work	206	1 314	18 948	65 854	61 808	36 577	25 692	4 046	2 128	11	9	
Water well drilling	*11	96	1 648	5 815	5 750	3 581	(D)	65	*302	15	16	
Miscellaneous special trade contractors:												
Structural steel erection	47	775	13 109	25 834	25 217	19 542	6 193	618	583	12	9	
Glass and glazing work	52	662	12 715	51 944	50 201	27 105	24 820	1 743	1 811	10	6	
Excavating and foundation work	205	2 037	38 536	119 998	112 732	87 763	30 429	7 267	4 276	7	4	
Wrecking and demolition work	22	285	5 231	12 520	10 742	9 456	2 310	1 778	620	2	2	
Installing building equipment, n.e.c.	73	927	24 017	62 362	60 567	42 039	(D)	1 795	510	3	2	
Special trade contractors, n.e.c.	282	1 661	26 279	84 606	78 584	48 033	32 072	6 022	1 488	9	7	
Subdividers and developers, n.e.c.	59	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	
15,16,17	LAWRENCE-HAVERHILL, MASS.-N.H., SMSA											
	Construction industries and subdividers and developers	412	2 940	47 569	181 541	150 917	94 924	62 134	30 625	4 270	6	6
	Construction industries:											
	General building contractors and operative builders:											
	General contractors, residential buildings:											
	Single-family houses	69	163	1 899	11 092	8 140	5 332	2 856	2 952	*75	19	30
	Other residential buildings	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	Operative builders	16	91	1 234	7 770	5 304	3 345	2 116	2 466	90	33	27
	General contractors, nonresidential buildings:											
	Industrial buildings and warehouses	7	106	(D)	(D)	4 694	2 619	(D)	(D)	(D)	2	(W)
	Nonresidential buildings, n.e.c.	19	176	3 206	18 296	(D)	(D)	2 759	(D)	(D)	31	43

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	LAWRENCE-HAVERHILL, MASS.-N.H., SMSA—Con.											
15,16, 17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	*5	76	1 845	9 417	(D)	4 261	4 073	(D)	(D)	19	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines-----	8	222	3 727	18 079	16 479	7 984	(D)	1 600	1 735	11	9
1629	Heavy construction, n.e.c.-----	*10	59	1 453	4 988	4 499	2 943	(D)	*489	(D)	34	20
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning-----	52	440	7 731	23 734	(D)	15 631	9 360	(D)	*487	12	-
1721	Painting, paper hanging, and decorating-----	42	145	1 829	5 063	4 454	3 103	1 364	*609	(S)	31	32
1731	Electrical work-----	22	425	8 472	21 155	(D)	14 674	7 032	(D)	150	7	-
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	21	87	1 152	2 808	2 746	1 699	1 047	*62	(S)	16	16
1742	Plastering, drywall, and insulation work-----	6	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1743	Terrazzo, tile, marble, and mosaic work-----	3	14	*183	*590	*585	282	*303	*5	*18	39	42
175	Carpentering and flooring:											
1751	Carpentering-----	*19	*133	*1 376	*4 320	*3 769	*2 179	(D)	*551	(D)	58	46
1752	Floor laying and other floorwork-----	4	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work-----	23	209	1 828	9 684	8 455	4 044	(D)	*1 229	450	34	31
1771	Concrete work-----	7	71	843	*1 985	(D)	1 409	*778	(D)	(S)	28	-
1781	Water well drilling-----	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work-----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work-----	33	124	1 778	5 988	5 697	4 373	2 385	*291	*451	23	25
1795	Wrecking and demolition work-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.-----	*8	*30	*519	*1 284	*1 279	*975	*305	(S)	(S)	75	61
1799	Special trade contractors, n.e.c.-----	30	147	2 098	11 194	(D)	4 211	5 904	(D)	(D)	30	-
6552	Subdividers and developers, n.e.c.-----	*3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	LOWELL, MASS.-N.H., SMSA											
	Construction industries and subdividers and developers	408	2 268	30 735	122 280	99 251	59 539	41 601	23 029	1 930	8	6
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses-----	50	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings-----	17	66	598	4 317	2 716	1 779	946	1 602	(S)	40	31
1531	Operative builders-----	14	*44	*488	*4 437	*1 709	(S)	*1 576	*2 728	(S)	45	59
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	*12	*63	(D)	(D)	*2 098	*818	(D)	(D)	(S)	50	48
1542	Nonresidential buildings, n.e.c.-----	25	140	2 258	13 854	7 309	4 730	2 580	6 545	*63	32	31
16	Heavy construction general contractors:											
1611	Highway and street construction-----	8	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines-----	*6	81	1 559	3 910	3 778	2 472	(D)	132	(D)	35	37
1629	Heavy construction, n.e.c.-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	LOWELL, MASS.-N.H., SMSA—Con.											
15,16,17	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	50	268	5 534	19 953	17 567	9 884	7 709	2 386	64	17	15
1721	Painting, paper hanging, and decorating -----	27	*63	*404	*1 560	*1 515	*1 205	*310	(S)	(S)	48	51
1731	Electrical work -----	41	232	2 873	8 786	8 511	5 458	3 069	275	139	19	20
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	24	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1742	Plastering, drywall, and insulation work -----	12	233	2 480	7 411	6 459	3 820	(D)	952	28	19	15
1743	Terrazzo, tile, marble, and mosaic work -----	3	14	*204	495	*420	*122	*298	*75	-	39	41
175	Carpentering and flooring:											
1751	Carpentering -----	25	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1752	Floor laying and other floorwork -----	*6	*15	*111	*507	*453	*372	*90	*54	-	60	58
1761	Roofing and sheet metal work -----	16	191	2 783	8 659	7 959	4 675	3 307	700	(D)	23	18
1771	Concrete work -----	24	157	1 944	8 015	7 627	4 213	(D)	388	(D)	28	13
1781	Water well drilling -----	*6	*22	*244	*1 335	*1 335	*767	*568	-	(D)	64	58
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1793	Glass and glazing work -----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work -----	*10	*64	*1 227	3 703	3 516	3 096	*480	(S)	(S)	44	28
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	*6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c. -----	20	103	1 308	5 192	(D)	2 629	2 147	(D)	(D)	17	-
6552	Subdividers and developers, n.e.c. -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-

Rhode Island

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SUMMARY OF FINDINGS

During 1982, 5,374 establishments in Rhode Island operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.4 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 3,059 establishments in this State with no payroll accounted for about 8 percent of all business receipts for all construction establishments in Rhode Island. On the other hand, 2,315 establishments classified as "employers" accounted for 92 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.31 billion, of which \$1.29 billion were receipts for construction work. These establishments paid \$556 million for construction work subcontracted to others, leaving net construction receipts of about \$733 million. Value added for these establishments amounted to \$472 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Rhode Island paid \$258 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included.

Payments of \$18.3 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Rhode Island was 14.7 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 3.9 million hours, while hours worked during the third quarter were 5.1 million hours.

Total payroll for 1982 was \$247 million. Payments of \$49.7 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Rhode Island are based on a sample of about 850 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16,17	1982													
	Construction industries and subdividers and developers.....	5 374	3 449	14 686	1 415 959	3 059	2 943	106 818	2 315	506	14 686	1 309 141	2	1
	Construction industries¹	5 301	3 419	14 616	1 400 842	3 004	2 914	95 402	2 297	505	14 616	1 305 440	2	1
	General building contractors and operative builders	1 187	593	4 515	765 880	564	510	40 086	623	83	4 515	725 794	4	2
	Heavy construction, general contractors ..	222	138	1 419	126 431	133	128	4 922	89	10	1 419	121 509	5	3
	Special trade contractors	3 892	2 688	8 682	508 531	2 307	2 276	50 394	1 585	412	8 682	458 137	3	3
	Plumbing, heating, and air conditioning....	522	331	1 585	114 984	261	256	7 553	261	75	1 585	107 431	7	5
	Electrical work	414	243	1 547	89 323	187	178	4 390	227	65	1 547	84 933	8	5
	Subdividers and developers, n.e.c.²	69	29	(S)	(S)	55	29	11 416	14	(S)	(S)	(S)	-	-
	1977													
15,16,17	Construction industries and subdividers and developers.....	4 987	3 384	14 587	803 850	2 524	2 519	54 675	2 463	865	14 587	749 175	2	2
	Construction industries¹	4 946	3 357	14 572	796 626	2 484	2 498	48 353	2 462	859	14 572	748 273	2	2
	General building contractors and operative builders	1 353	750	5 131	400 912	465	440	21 913	888	310	5 131	378 999	4	3
	Heavy construction, general contractors ..	162	90	1 736	95 977	60	62	1 125	102	28	1 736	94 852	3	2
	Special trade contractors	3 431	2 518	7 705	299 737	1 959	1 996	25 315	1 472	522	7 705	274 422	3	3
	Plumbing, heating, and air conditioning....	485	327	1 569	(D)	257	262	5 118	228	65	1 569	(D)	6	-
	Electrical work	361	273	1 244	51 052	161	164	1 932	200	109	1 244	49 120	8	5
	Subdividers and developers, n.e.c.²	46	27	(S)	7 227	40	21	6 322	6	6	(S)	(S)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	5 374	3 449	14 686	1 415 959	3 059	2 943	106 818	2 315	506	14 686	1 309 141	2	1
\$10,000,000 or more -----	11	-	2 090	(D)	-	-	-	11	-	2 090	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	22	2	1 241	(D)	2	2	(D)	20	-	1 241	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	40	-	1 711	856 293	1	-	(D)	39	-	1 711	856 293	(W)	(W)
\$1,000,000 to \$2,499,999 -----	84	6	1 760	146 606	2	4	20 612	820	26	17 600	125 994	5	7
\$500,000 to \$999,999 -----	125	4	1 465	87 441	8	4	6 044	117	-	1 465	81 397	7	10
 \$250,000 to \$499,999 -----	330	29	2 196	113 115	26	14	8 251	304	*15	2 196	104 864	10	9
\$100,000 to \$249,999 -----	692	259	2 104	105 991	116	111	16 892	576	148	2 104	89 099	8	8
\$50,000 to \$99,999 -----	772	420	1 142	53 892	278	266	18 713	494	154	1 142	35 179	9	8
\$25,000 to \$49,999 -----	867	584	594	29 821	511	502	17 617	356	82	594	12 204	12	8
 Less than \$25,000 -----	2 429	2 144	382	22 797	2 115	2 040	18 689	314	104	382	4 108	12	11
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	872	836	13 548	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	520	506	3 529	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	468	452	1 357	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	255	246	255	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	4 987	3 384	14 587	803 850	2 524	2 519	54 675	2 463	865	14 587	749 175	2	2
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	16	-	2 510	253 594	-	-	-	16	-	2 510	253 594	(W)	(W)
\$2,500,000 to \$4,999,999 -----	22	-	1 171	82 184	-	-	-	22	-	1 171	82 184	(W)	(W)
\$1,000,000 to \$2,499,999 -----	76	2	1 632	108 555	5	2	7 749	71	-	1 632	100 806	2	4
\$500,000 to \$999,999 -----	124	15	1 555	84 398	4	3	3 000	120	12	1 555	81 398	4	9
 \$250,000 to \$499,999 -----	227	19	1 854	80 914	6	1	1 973	221	18	1 854	78 941	7	8
\$100,000 to \$249,999 -----	580	215	2 605	90 943	52	44	7 653	528	171	2 605	83 290	8	7
\$50,000 to \$99,999 -----	798	390	1 991	56 371	120	122	8 160	678	268	1 991	48 211	10	10
\$25,000 to \$49,999 -----	667	497	731	24 591	288	306	9 847	379	191	731	14 744	15	14
 Less than \$25,000 -----	2 478	2 247	538	22 302	2 049	2 041	16 293	429	206	538	6 009	28	26
\$10,000 to \$24,999 -----	989	847	375	15 683	694	697	10 538	295	150	375	5 145	18	18
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	607	605	4 120	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	490	484	1 453	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	258	255	182	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	2 315	14 686	11 366	247 027	176 814	18 854	1 289 115	733 482
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	430	1 537	1 274	15 343	12 982	2 084	73 538	56 821
1522	Other residential buildings -----	38	378	319	6 101	4 773	504	35 367	13 024
1531	Operative builders -----	51	495	346	5 740	2 804	545	128 158	15 514
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	32	319	212	5 866	3 613	416	34 748	22 709
1542	Nonresidential buildings, n.e.c. -----	72	1 786	925	44 595	19 484	1 678	543 642	107 764
16	Heavy construction general contractors:								
1611	Highway and street construction -----	44	582	491	7 953	6 783	949	49 470	45 377
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c. -----	23	548	448	13 632	11 122	764	42 763	38 092
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning-----	261	1 585	1 242	26 962	19 874	1 942	106 262	84 596
1721	Painting, paper hanging, and decorating -----	180	554	496	5 822	5 246	716	13 625	12 722
1731	Electrical work -----	227	1 547	1 192	29 796	22 360	2 009	83 924	82 019
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	82	661	573	10 114	8 228	1 028	33 452	31 942
1742	Plastering, drywall, and insulation work -----	105	894	728	15 223	12 038	1 230	35 987	34 555
1743	Terrazzo, tile, marble, and mosaic work -----	29	119	94	1 494	1 167	159	4 578	4 453
175	Carpentering and flooring:								
1751	Carpentering -----	175	415	369	4 538	3 673	435	16 172	14 333
1752	Floor laying and other floorwork -----	*20	126	110	(D)	1 494	218	5 277	5 153
1761	Roofing and sheet metal work -----	106	661	566	9 783	7 776	842	31 047	29 651
1771	Concrete work -----	83	492	417	7 824	6 302	651	33 809	27 859
1781	Water well drilling -----	12	(D)	(D)	(D)	(D)	248	5 134	5 080
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	17	241	213	4 571	3 956	319	9 078	8 589
1793	Glass and glazing work -----	*11	123	79	1 644	1 082	115	9 160	8 931
1794	Excavating and foundation work -----	129	647	533	10 735	9 088	940	33 132	29 872
1795	Wrecking and demolition work -----	9	28	24	(D)	281	36	1 297	1 190
1796	Installing building equipment, n.e.c. -----	24	151	123	3 549	2 903	215	13 023	(D)
1799	Special trade contractors, n.e.c. -----	115	322	265	4 739	3 848	424	16 828	15 350
6552	Subdividers and developers, n.e.c. -----	14	(S)	(S)	(S)	(S)	(S)	(D)	(S)

†Land receipts for SIC 1531 were \$3,886.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
471 711	276 613	555 633	16 758	10 827	144 118	14 587	731 923	322 994	2	2	4	15,16, 17
												15
32 014 (D)	27 285 11 570	16 716 22 343	462 212	1 182 194	8 768 2 085	1 966 404	64 539 51 025	25 940 12 197	10 7	10 8	13 36	152 1521 1522
*6 777	9 216	12 644	47	71	7 353	533	38 308	(D)	11	11	10	1531
18 744 89 101	5 510 19 834	12 039 435 878	278 5 739	299 1 805	4 091 14 292	1 105 1 123	109 620 106 883	28 465 33 963	14 3	8 3	7 3	154 1541 1542
												16
24 359	22 532	4 093	2 571	1 209	22 533	921	37 570	23 197	7	4	5	1611
(D)	(D)	(D)	(D)	(D)	(D)	59	6 921	3 498	—	—	—	162
(D)	(D)	(D)	(D)	(D)	(D)	592	30 976	19 210	—	—	—	1622
27 297	(D)	4 671	(D)	444	3 144	164	13 208	4 862	5	2	(W)	1623 1629
												17
43 654	42 111	21 666	809	781	11 932	1 569	81 856	38 477	7	6	12	1711
10 142	2 929	903	86	182	2 026	693	13 492	10 406	13	14	33	1721
50 679	32 349	1 905	644	618	9 342	1 244	48 781	28 237	8	5	10	1731
24 142 22 892 2 276	7 867 11 698 2 176	1 510 1 431 *125	462 282 *18	328 207 *24	4 736 4 007 463	552 570 78	18 338 19 136 2 343	10 661 10 546 1 212	11 7 35	6 5 38	4 7	174 1741 1742 1743
8 325 2 718	6 029 (D)	1 839 *124	48 (D)	137 *40	1 931 305	298 112	7 694 4 937	3 756 2 368	12 26	11 17	37 55	175 1751 1752
16 869	12 859	1 396	156	159	3 715	746	22 614	13 531	11	10	22	1761
13 976	14 933	5 950	1 928	457	6 867	397	8 940	5 304	14	8	9	1771
3 644	(D)	54	(D)	(D)	1 725	108	4 877	3 271	—	12	—	1781
												179
7 278 4 413 23 237 1 189 8 192 9 726	(D) 4 556 8 151 170 4 648 5 786	488 229 3 260 107 (D) 1 478	323 — 1 275 37 51 309	115 *19 1 194 96 40 173	1 456 571 18 548 837 607 2 276	134 144 451 (D) 101 476	3 724 4 060 14 014 890 4 310 12 149	3 375 2 321 10 402 741 2 855 7 503	12 14 14 (W) 5 14	10 10 15 (W) — 14	8 47 15 (W) (W) 25	1791 1793 1794 1795 1796 1799
(S)	(S)	(D)	(S)	(S)	(S)	(S)	(S)	(S)	—	—	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	2 315	2 463	2 482	2 348	4	5	5	4
Number of establishments in business at end of year	2 270	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners.....	506	865	1 226	1 391	9	11	9	8
All employees**	14 686	14 587	20 061	17 984	2	2	2	2
Construction workers:								
March.....	9 475	9 227	12 412	13 246	3	3	3	2
May.....	11 681	13 415	15 259	16 230	3	3	3	2
August.....	11 848	13 491	18 369	17 049	3	3	3	2
November.....	11 532	12 443	18 050	15 586	3	3	3	2
Average.....	11 366	12 154	16 329	15 708	2	3	3	2
Other employees:								
March.....	3 263	2 334	2 971	2 117	3	4	3	3
Construction worker hours (thousands):								
January to March	3 949	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
April to June	4 918	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September	5 085	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December.....	4 900	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Total hours worked.....	18 854	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	247 027	170 715	209 361	121 289	2	2	2	2
Payroll, construction workers	176 814	130 162	167 993	103 574	2	2	2	2
Payroll, other employees	70 213	40 553	41 368	17 722	1	2	2	2
First quarter payroll, all employees	51 658	31 266	(NA)	(NA)	2	2	(NA)	(NA)
Employer costs for fringe benefits.....	49 740	35 456	(NA)	(NA)	2	1	(NA)	(NA)
Legally required expenditures	35 404	19 540	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures.....	14 336	15 916	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts.....	1 309 141	749 175	782 597	479 600	1	2	2	2
Total construction receipts	1 289 115	731 923	749 472	468 504	1	2	2	2
Receipts for work subcontracted in from others	235 353	149 059	127 111	74 044	3	3	4	3
Land receipts ¹	(D)	(NA)	(NA)	(NA)	-	(NA)	(NA)	(NA)
Other business receipts	14 842	17 252	33 125	11 118	10	3	4	6
Net construction receipts†.....	733 482	516 015	518 186	338 067	2	2	2	2
Value added††.....	471 711	322 994	336 978	206 901	2	2	3	2
Selected payments	832 246	422 440	442 297	271 968	1	2	2	2
Materials, components, and supplies ²	258 289	194 141	211 011	141 540	2	2	3	2
Construction work subcontracted to others	555 633	215 908	231 286	130 433	1	2	2	2
Selected power, fuels, and lubricants	18 324	12 392	(NA)	(NA)	4	3	(NA)	(NA)
Electricity.....	2 442	2 059	(NA)	(NA)	4	4	(NA)	(NA)
Natural gas	1 109	858	(NA)	(NA)	4	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol).....	13 522	7 834	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases.....	1 249	1 640	(NA)	(NA)	11	9	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	224	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	16 758	9 202	(NA)	(NA)	3	3	(NA)	(NA)
For machinery and equipment	14 174	7 716	7 944	11 309	4	3	3	2
For structures.....	2 583	1 486	(NA)	(NA)	5	6	(NA)	(NA)
Selected purchased services	13 224	10 993	(NA)	(NA)	3	3	(NA)	(NA)
Communication services	5 142	3 713	(NA)	(NA)	4	4	(NA)	(NA)
Repairs to structures and related facilities	665	761	(NA)	(NA)	10	12	(NA)	(NA)
Repairs to machinery and equipment.....	7 416	6 519	(NA)	(NA)	6	4	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 289 115	731 923	749 472	468 504	1	2	2	2
Government owned	214 718	205 114	235 748	152 524	5	2	1	3
Privately owned	1 074 396	526 809	513 724	315 980	2	2	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	137 030	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	10 827	14 783	15 895	9 337	4	6	6	6
New -----	8 001	12 223	12 550	8 344	6	6	7	6
Used -----	2 825	2 561	3 345	993	8	13	6	23
Retirements and disposition of depreciable assets -----	3 739	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	144 118	106 543	115 411	(NA)	4	4	3	(NA)
Depreciation charges during year -----	16 944	9 731	10 560	(NA)	4	5	7	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	30 907	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	1 199	2 199	3 612	2 470	7	23	23	20
New structures and related facilities -----	924	2 019	3 130	2 260	3	6	12	3
Used structures and related facilities -----	275	180	482	210	30	40	35	37
Retirements and disposition of depreciable assets -----	710	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	31 396	23 957	36 608	(NA)	8	5	5	(NA)
Depreciation charges during year -----	1 744	1 097	1 902	(NA)	10	8	27	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	106 123	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	9 627	12 585	12 283	6 867	5	10	6	17
New machinery and equipment, including automobiles and trucks -----	7 077	10 204	9 420	6 084	6	7	9	7
New automobiles and trucks, intended primarily for highway use -----	3 092	5 765	(NA)	(NA)	10	9	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	2 550	2 381	2 863	783	7	13	4	28
Retirements and disposition of depreciable assets -----	3 028	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	112 722	82 587	78 803	(NA)	4	5	3	(NA)
Depreciation charges during year -----	15 200	8 634	8 658	(NA)	4	5	5	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	2 315	4
Total construction receipts	1 289 115	1
Establishments with inventories:		
Number	542	15
Total construction receipts	339 144	4
Inventories¹:		
End of 1982, total	12 812	14
Value for establishments with LIFO reserve	421	17
Amount of LIFO reserve	277	26
Value for establishments with no LIFO reserve	12 391	14
End of 1981, total	17 661	13
Value for establishments with LIFO reserve	588	13
Amount of LIFO reserve	490	16
Value for establishments with no LIFO reserve	17 073	13
Establishments with no inventories:		
Number	1 773	3
Total construction receipts	949 971	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more	
1982											
Number of establishments -----	2 315	1 612	409	176	78	25	13	-	1	-	
All employees** -----	14 686	3 127	2 593	2 370	2 404	1 688	2 504	-	(D)	-	
Payroll, all employees -----	247 027	32 132	31 891	37 400	51 276	35 282	59 045	-	(D)	-	
Construction worker hours (thousands) -----	18 854	4 103	3 134	3 087	3 198	2 483	2 846	-	(D)	-	
All business receipts -----	1 309 141	138 910	128 916	131 478	202 187	707 649	(D)	-	(D)	-	
Total construction receipts -----	1 289 115	134 752	123 919	129 661	199 144	155 595	546 043	-	(D)	-	
Net construction receipts† -----	733 482	116 244	93 287	104 888	156 907	262 155	(D)	-	(D)	-	
Value added†† -----	471 711	69 676	53 540	69 897	96 834	181 761	(D)	-	(D)	-	
Payments for materials, components, supplies, and fuels -----	276 613	49 090	43 750	36 209	63 116	84 446	(D)	-	(D)	-	
Payments for construction work subcontracted to others -----	555 633	18 508	30 631	24 773	42 237	439 483	-	-	(D)	-	
Rental payments for machinery, equipment, and structures -----	16 758	1 342	1 395	1 267	4 262	1 547	6 944	-	(D)	-	
Capital expenditures, other than land -----	10 827	2 152	1 354	2 000	2 422	867	2 030	-	(D)	-	
End-of-year gross book value of depreciable assets -----	144 118	33 535	21 916	23 494	21 042	13 892	30 237	-	(D)	-	
1977											
All employees** -----	14 587	3 262	3 021	2 570	2 210	1 476	852	1 197	(D)	-	
Total construction receipts -----	731 923	122 334	101 318	109 827	113 578	98 879	82 902	103 085	(D)	-	
Value added†† -----	322 994	52 253	51 555	48 503	62 799	47 724	60 160	(D)	(D)	-	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	6	9	8	1	(W)	(W)	-	-	-	
Net construction receipts† -----	2	6	8	7	1	(W)	(W)	-	-	-	
Capital expenditures, other than land -----	4	15	18	15	(W)	(W)	(W)	-	-	-	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	2 315	314	356	494	576	304	117	82	39	20	11
All employees** -----	14 686	382	594	1 142	2 104	2 196	1 465	1 760	1 711	1 241	2 090
Payroll, all employees -----	247 027	1 522	4 045	9 178	25 258	29 012	24 403	36 699	34 210	31 191	51 506
Construction worker hours (thousands) -----	18 854	350	680	1 393	2 848	2 742	1 868	2 162	2 531	2 059	2 218
All business receipts -----	1 309 141	4 108	12 204	35 179	89 099	104 864	81 397	125 994	856 293	(D)	(D)
Total construction receipts -----	1 289 115	4 073	12 128	34 667	87 037	100 874	77 686	124 161	137 293	146 846	564 349
Net construction receipts† -----	733 482	3 710	11 160	31 498	78 043	84 549	62 164	101 920	103 847	102 460	154 130
Value added†† -----	471 711	2 253	6 692	18 256	47 755	50 057	38 606	69 256	64 315	59 755	114 763
Payments for materials, components, supplies, and fuels -----	276 613	1 480	4 525	13 720	31 922	36 564	26 453	34 498	41 674	44 123	41 653
Payments for construction work subcontracted to others -----	555 633	363	968	3 169	8 993	16 325	15 522	22 240	33 446	44 386	410 219
Rental payments for machinery, equipment, and structures -----	16 758	*47	*55	173	1 021	922	1 361	1 766	1 561	3 774	6 075
Capital expenditures, other than land -----	10 827	*37	*54	489	1 354	1 399	1 442	1 580	1 431	1 373	1 665
End-of-year gross book value of depreciable assets -----	144 118	1 150	3 403	6 625	20 300	21 504	14 283	22 396	12 469	12 551	29 434
1977											
All employees** -----	14 587	538	731	1 991	2 605	1 854	1 555	1 632	1 171	1 2510	(NA)
Total construction receipts -----	731 923	5 976	14 704	47 842	82 279	77 403	79 388	99 695	80 996	1243 640	(NA)
Value added†† -----	322 994	3 212	8 115	25 648	41 342	36 335	38 580	41 815	42 595	185 353	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	12	12	9	8	10	7	5	(W)	(W)	(W)
Net construction receipts† -----	2	12	9	8	8	9	9	5	(W)	(W)	(W)
Capital expenditures, other than land -----	4	72	59	29	18	21	20	3	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	1 289 115	1 063 290	225 824	1	1	3
Building construction	1 040 124	885 773	154 351	1	1	3
Single-family houses	156 842	109 623	47 219	5	6	7
Single-family houses, detached	146 597	102 511	44 085	5	6	7
Single-family houses, attached	10 245	7 111	3 133	17	20	30
Apartment buildings with two or more apartments	96 621	84 157	12 463	3	4	11
Other residential buildings	25 933	22 629	3 303	3	3	7
Office and bank buildings	338 972	320 376	18 596	1	(W)	8
Office buildings	324 485	310 621	13 863	1	(W)	7
Bank buildings and other financial institutions	14 487	9 755	4 732	7	6	15
Industrial buildings and warehouses	165 997	130 322	35 674	3	3	6
Industrial buildings	154 714	121 652	33 062	4	4	6
Warehouses	11 283	8 670	2 612	6	6	11
Stores, restaurants, public garages, and automobile service stations	55 149	42 902	12 247	5	5	12
Religious buildings	9 704	5 489	4 214	15	26	6
Educational buildings	41 835	33 737	8 097	8	9	9
Hospitals and institutional buildings	116 518	106 191	10 326	1	1	6
Other nonresidential buildings	32 553	30 347	2 212	5	4	32
Nonbuilding construction	173 630	116 534	57 096	3	3	4
Highways, streets, and related facilities	59 819	26 979	32 839	5	7	6
Bridges, tunnels, and elevated highways	4 530	(D)	(D)	(W)	-	-
Sewers, water mains, and related facilities	35 286	31 395	3 890	7	7	8
Sewers, sewer lines, and related facilities	21 133	18 680	2 453	5	5	11
Water mains and related facilities	14 153	12 715	1 437	16	16	18
Sewage treatment and water treatment plants	19 474	17 420	*2 053	5	(W)	41
Heavy industrial facilities	31 956	21 182	10 774	1	(W)	2
Other nonbuilding construction	22 565	(D)	(D)	21	-	-
Construction work, n.s.k.	75 360	60 982	14 377	7	7	10
1977						
Total construction receipts†	731 923	580 875	151 048	2	2	5
Building construction	524 282	402 231	122 051	2	2	5
Single-family houses	137 641	91 996	45 645	6	7	10
Apartment buildings with two or more apartments	67 034	56 256	10 778	8	9	15
Other residential buildings	8 504	6 274	2 230	8	8	12
Office and bank buildings	36 443	28 380	8 063	2	2	9
Industrial buildings and warehouses	140 999	114 459	26 540	2	2	7
Stores, restaurants, public garages, and automobile service stations	21 968	12 179	9 789	12	5	27
Religious buildings	5 808	3 060	2 748	8	5	16
Educational buildings	26 755	21 698	5 057	2	2	7
Hospitals and institutional buildings	73 920	64 464	9 456	2	(W)	13
Other nonresidential buildings	5 210	3 465	1 745	12	16	10
Nonbuilding construction	144 609	121 737	22 872	2	2	5
Highways, streets, and related facilities	38 868	35 269	3 599	3	3	5
Bridges, tunnels, and elevated highways	8 947	(D)	(D)	15	-	-
Power and communication transmission lines, towers, and related facilities	1 634	(D)	(D)	(W)	-	-
Sewers, water mains, and related facilities	33 875	28 813	5 062	4	4	11
Sewage treatment and water treatment plants	26 595	(D)	(D)	1	-	-
Heavy industrial facilities	13 343	8 702	4 641	10	15	4
Other nonbuilding construction	21 347	14 597	6 750	6	6	12
Construction work, n.s.k.	63 043	56 877	6 166	5	5	11

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers	2 315	11 366	18 854	9 475	3 949	11 681	4 918
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	430	1 274	2 084	1 030	434	1 325	550
1522	Other residential buildings	38	319	504	275	102	388	146
1531	Operative builders	51	346	545	304	118	338	136
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	32	212	416	225	116	232	116
1542	Nonresidential buildings, n.e.c.	72	925	1 678	810	362	924	416
16	Heavy construction general contractors:							
1611	Highway and street construction	44	491	949	293	118	508	261
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	21	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c.	23	448	764	458	189	486	205
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning	261	1 242	1 942	1 207	479	1 207	487
1721	Painting, paper hanging, and decorating	180	496	716	287	113	520	169
1731	Electrical work	227	1 192	2 009	1 150	486	1 198	512
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	82	573	1 028	327	143	617	289
1742	Plastering, drywall, and insulation work	105	728	1 230	688	293	695	296
1743	Terrazzo, tile, marble, and mosaic work	29	94	159	79	*33	108	*48
175	Carpentering and flooring:							
1751	Carpentering	175	369	435	259	91	340	105
1752	Floor laying and other floorwork	*20	110	218	100	51	113	52
1761	Roofing and sheet metal work	106	566	842	500	182	569	226
1771	Concrete work	83	417	651	247	76	451	194
1781	Water well drilling	12	(D)	248	80	55	83	58
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	17	213	319	247	112	258	87
1793	Glass and glazing work	*11	79	115	76	29	72	29
1794	Excavating and foundation work	129	533	940	344	153	561	244
1795	Wrecking and demolition work	9	24	36	21	8	24	8
1796	Installing building equipment, n.e.c.	24	123	215	114	49	121	52
1799	Special trade contractors, n.e.c.	115	265	424	210	95	310	125
6552	Subdividers and developers, n.e.c.	14	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
11 848	5 085	11 532	4 900	2	2	3	4	3	3	3	3	3	4	15,16,17
														15
1 382 234	573 96	1 266 378	525 159	10 6	11 6	11 8	15 9	11 6	13 7	11 11	13 12	11 5	14 5	152 1521 1522
329	138	380	152	13	14	10	14	11	15	13	17	17	21	1531
195 973	97 460	172 957	85 437	13 6	15 5	12 5	15 6	13 6	17 6	13 6	19 6	16 7	21 6	154 1541 1542
														16
567	281	563	287	6	5	8	9	7	8	5	5	5	6	1611
														162
(D) (D) 387	(D) (D) 173	(D) (D) 455	(D) (D) 196	— — 2	— — 2	— — 3	— — 3	— — 3	— — 3	— — 2	— — 2	— — 1	— — 3	1622 1623 1629
														17
1 236	500	1 201	476	7	8	8	10	7	10	7	10	8	10	1711
598	247	494	185	13	14	19	26	14	19	14	18	14	19	1721
1 223	516	1 118	493	8	9	8	10	8	11	8	10	8	11	1731
														174
651 752 85	295 316 *37	670 764 98	299 323 *40	11 7 34	10 7 40	14 7 33	15 9 49	11 7 34	10 9 46	11 7 38	12 9 51	14 9 34	14 10 47	1741 1742 1743
427 111	124 55	338 112	114 58	12 29	15 31	11 27	25 34	11 30	22 33	17 31	22 36	16 30	26 37	175 1751 1752
554	219	571	213	12	12	13	16	12	15	13	15	13	16	1761
480	195	444	185	14	16	18	24	14	17	13	16	15	24	1771
93	67	93	67	—	7	5	8	5	8	9	11	9	11	1781
														179
202 80 603 21 127 251	70 29 294 8	138 81 588 26	47 27 248 11	14 16 15 (W)	16 13 16 (W)	17 11 17 (W)	18 21 25 (W)	11 12 15 (W)	16 21 18 (W)	13 16 14 (W)	19 16 17 (W)	20 22 15 (W)	28 19 18 (W)	1791 1793 1794 1795
	57 110	119 242	55 94	6 15	7 16	6 15	13 22	9 15	14 21	6 17	12 23	5 17	11 24	1796 1799
(S)	(S)	(S)	(S)	—	—	—	—	—	—	—	—	—	—	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	6.4	16.8	1.7	113.4	.192	.215	.431	.008	.013
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	3.6	10.0	1.6	57.7	.209	.371	.227	.016	.006
1522	Other residential buildings	9.9	16.1	1.6	110.9	.173	.327	.632	.005	.006
1531	Operative builders	9.7	11.6	1.6	81.4	.204	.327	.449	.003	.002
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	10.0	18.4	2.0	163.9	.169	.159	.346	.009	.008
1542	Nonresidential buildings, n.e.c.	24.8	25.0	1.8	587.7	.082	.036	.802	.003	.011
16	Heavy construction general contractors:									
1611	Highway and street construction	13.2	13.7	1.9	100.8	.161	.455	.083	.024	.052
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1629	Heavy construction, n.e.c.	23.8	24.9	1.7	95.5	.319	(D)	.109	.010	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	6.1	17.0	1.6	85.6	.254	.396	.204	.007	.008
1721	Painting, paper hanging, and decorating	3.1	10.5	1.4	27.5	.427	.215	.066	.013	.006
1731	Electrical work	6.8	19.3	1.7	70.4	.355	.385	.023	.007	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	8.1	15.3	1.8	58.4	.302	.235	.045	.010	.014
1742	Plastering, drywall, and insulation work	8.5	17.0	1.7	49.4	.423	.325	.040	.006	.008
1743	Terrazzo, tile, marble, and mosaic work	4.1	12.6	1.7	48.7	.326	.475	*.027	*.005	*.004
175	Carpentering and flooring:									
1751	Carpentering	2.4	10.9	1.2	43.8	.281	.373	.114	.008	.003
1752	Floor laying and other floorwork	*6.3	(D)	2.0	48.0	(D)	(D)	*.023	*.008	(D)
1761	Roofing and sheet metal work	6.2	14.8	1.5	54.9	.315	.414	.045	.005	.005
1771	Concrete work	5.9	15.9	1.6	81.1	.231	.442	.176	.014	.057
1781	Water well drilling	(D)	(D)	(D)	(D)	(D)	(D)	.011	(D)	(D)
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	14.2	19.0	1.5	42.6	.504	(D)	.054	.013	.036
1793	Glass and glazing work	*11.2	13.4	1.5	115.9	.179	.497	.025	*.002	-
1794	Excavating and foundation work	5.0	16.6	1.8	62.2	.324	.246	.098	.036	.038
1795	Wrecking and demolition work	3.1	(D)	1.5	54.0	(D)	.131	.082	.074	.029
1796	Installing building equipment, n.e.c.	6.3	23.5	1.7	105.9	.273	.357	(D)	.003	.004
1799	Special trade contractors, n.e.c.	2.8	14.7	1.6	63.5	.282	.344	.088	.010	.018
6552	Subdividers and developers, n.e.c.	(S)	(S)	(S)	(D)	(D)	(D)	(D)	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PROVIDENCE-WARWICK-PAWTUCKET, R.I.-MASS., SMSA											
	Construction industries and subdividers and developers..	224	1 202	18 707	105 450	44 382	19 551	25 696	61 068	1 168	12	7
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	44	127	870	4 171	3 040	2 042	(D)	1 132	*63	35	29
1522	Other residential buildings	4	(S)	(S)	(S)	(D)	(S)	(D)	(D)	(D)	-	-
1531	Operative builders	*3	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	5	*42	*776	*6 813	*3 030	*1 067	*1 963	*3 783	81	41	47
1542	Nonresidential buildings, n.e.c.	9	133	3 179	29 461	(D)	(D)	(D)	(D)	213	13	-
16	Heavy construction general contractors:											
1611	Highway and street construction	*13	61	1 004	3 334	(D)	1 448	1 377	(D)	40	23	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines	13	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1629	Heavy construction, n.e.c.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	23	68	1 355	3 570	3 492	1 546	1 955	*78	(D)	25	22
1721	Painting, paper hanging, and decorating	*10	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1731	Electrical work	*10	*47	*842	*2 126	*2 118	*1 206	*913	*8	(S)	48	47
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	*5	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1742	Plastering, drywall, and insulation work	4	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1743	Terrazzo, tile, marble, and mosaic work	-	-	-	-	-	-	-	-	-	-	-
175	Carpentering and flooring:											
1751	Carpentering	22	*40	*380	*2 148	*1 538	*740	(D)	(S)	-	43	50
1752	Floor laying and other floorwork	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work	*7	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1771	Concrete work	*17	*176	1 270	3 537	*3 370	*2 445	*987	*167	*63	57	42
1781	Water well drilling	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	-	-	-	-	-	-	-	-	-	-	-
1793	Glass and glazing work	-	-	-	-	-	-	-	-	-	-	-
1794	Excavating and foundation work	22	83	1 177	5 058	(D)	2 955	1 597	(D)	120	24	-
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	-	-	-	-	-	-	-	-	-	-	-
1799	Special trade contractors, n.e.c.	*10	53	681	3 434	3 130	1 604	(D)	304	*20	27	25
6552	Subdividers and developers, n.e.c.	-	-	-	-	-	-	-	-	-	-	-

Vermont

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-- Not applicable.



SUMMARY OF FINDINGS

During 1982, 5,403 establishments in Vermont operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$747 million.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 3,620 establishments in this State with no payroll accounted for about 14 percent of all business receipts for all construction establishments in Vermont. On the other hand, 1,783 establishments classified as "employers" accounted for 86 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$643 million, of which \$622 million were receipts for construction work. These establishments paid \$147 million for construction work subcontracted to others, leaving net construction receipts of about \$475 million. Value added for these establishments amounted to \$266 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Vermont paid \$211 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$14.9 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Vermont was 9.8 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 2.6 million hours, while hours worked during the third quarter were 4.2 million hours.

Total payroll for 1982 was \$134 million. Payments of \$25.6 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Vermont are based on a sample of about 650 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	5 403	4 405	9 795	746 669	3 620	3 593	103 979	1 783	812	9 795	642 690	3	3
15,16, 17	Construction industries¹-----	5 318	4 339	(D)	(D)	3 547	3 534	89 882	1 771	805	(D)	(D)	-	-
15	General building contractors and operative builders-----	1 289	923	3 371	270 272	681	670	33 620	608	253	3 371	236 652	6	6
16	Heavy construction, general contractors -	252	193	(D)	(D)	171	172	5 783	81	21	(D)	(D)	-	-
17	Special trade contractors-----	3 777	3 223	4 659	268 678	2 695	2 692	50 479	1 082	531	4 659	218 199	5	5
1711	Plumbing, heating, and air conditioning----	378	280	827	(D)	207	200	5 896	171	80	827	(D)	10	-
1731	Electrical work-----	399	302	749	41 400	252	249	5 874	147	53	749	35 526	12	11
6552	Subdividers and developers, n.e.c.²-----	81	65	(D)	(D)	73	59	14 097	*8	(S)	(D)	(D)	-	-
	1977													
	Construction industries and subdividers and developers-----	4 556	4 069	8 628	390 043	2 818	2 852	43 394	1 738	1 217	8 628	346 649	4	3
15,16, 17	Construction industries¹-----	4 516	4 026	8 590	(D)	2 779	2 811	40 243	1 737	1 215	8 590	(D)	4	-
15	General building contractors and operative builders-----	1 266	1 044	3 601	167 900	522	535	15 201	744	509	3 601	152 699	6	5
16	Heavy construction, general contractors -	245	189	1 282	(D)	131	133	2 028	114	56	1 282	(D)	5	-
17	Special trade contractors-----	3 005	2 794	3 707	141 204	2 126	2 143	23 014	879	651	3 707	118 190	6	5
1711	Plumbing, heating, and air conditioning----	380	314	803	33 504	205	204	4 244	175	110	803	29 260	13	11
1731	Electrical work-----	376	352	570	20 839	240	240	2 896	136	112	570	17 943	15	15
6552	Subdividers and developers, n.e.c.²-----	44	43	40	(D)	39	41	3 151	5	2	40	(D)	11	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	5 403	4 405	9 795	746 669	3 620	3 593	103 979	1 783	812	9 795	642 690	3	3
\$10,000,000 or more	2	—	(D)	(D)	—	—	—	2	—	(D)	(D)	—	—
\$5,000,000 to \$9,999,999	11	—	1 579	(D)	1	—	(D)	10	—	1 579	(D)	(W)	—
\$2,500,000 to \$4,999,999	25	—	846	(D)	2	—	(D)	23	—	846	(D)	(W)	—
\$1,000,000 to \$2,499,999	84	2	1 674	(D)	1	2	(D)	83	—	1 674	(D)	6	—
\$500,000 to \$999,999	110	22	1 093	476 306	7	10	19 209	103	*12	1 093	457 097	13	3
\$250,000 to \$499,999	229	76	1 423	80 090	22	24	7 652	207	52	1 423	72 438	12	12
\$100,000 to \$249,999	604	388	1 668	91 341	128	127	18 062	476	261	1 668	73 279	10	9
\$50,000 to \$99,999	674	510	886	47 215	273	284	18 759	401	226	886	28 456	11	9
\$25,000 to \$49,999	742	638	329	26 686	521	518	18 204	221	120	329	8 482	14	12
Less than \$25,000	2 921	2 769	296	25 030	2 665	2 628	22 093	256	141	296	2 937	11	11
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	978	962	15 269	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	684	676	4 686	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	620	614	1 755	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	383	376	383	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	4 556	4 069	8 628	390 043	2 818	2 852	43 394	1 738	1 217	8 628	346 649	4	3
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	3	—	544	(D)	—	—	—	3	—	544	(D)	(W)	—
\$2,500,000 to \$4,999,999	9	1	487	73 792	—	—	—	9	1	487	73 792	(W)	(W)
\$1,000,000 to \$2,499,999	41	4	1 066	61 687	3	4	4 119	38	—	1 066	57 568	2	2
\$500,000 to \$999,999	84	21	1 315	(D)	1	1	(D)	83	20	1 315	55 228	7	8
\$250,000 to \$499,999	143	49	1 332	104 918	3	2	1 618	140	47	1 332	48 072	11	10
\$100,000 to \$249,999	463	307	1 842	71 439	32	33	4 407	431	274	1 842	67 032	10	10
\$50,000 to \$99,999	535	485	1 187	38 081	94	108	6 324	441	377	1 187	31 757	13	13
\$25,000 to \$49,999	534	489	424	18 627	279	290	9 300	255	199	424	9 327	19	17
Less than \$25,000	2 746	2 713	431	21 501	2 406	2 414	17 626	340	299	431	3 875	25	20
\$10,000 to \$24,999	892	873	238	(D)	704	714	10 839	188	159	238	(D)	24	—
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	697	694	4 666	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	617	615	1 830	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	388	391	291	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	1 783	9 795	8 082	133 909	102 619	14 023	622 437	475 271
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	434	1 785	1 550	19 909	17 074	2 469	98 430	72 098
1522	Other residential buildings	38	280	226	4 182	2 911	449	25 540	19 131
1531	Operative builders	51	207	147	2 410	1 656	278	118 617	13 914
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	18	573	460	9 507	6 923	888	54 608	31 088
1542	Nonresidential buildings, n.e.c.	67	526	393	6 470	4 333	710	34 353	21 719
16	Heavy construction general contractors:								
1611	Highway and street construction	27	191	162	3 042	2 269	312	12 494	10 244
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	8	188	166	3 064	2 570	300	12 774	11 613
1623	Water, sewer, and utility lines	24	356	292	5 374	4 442	585	19 296	16 816
1629	Heavy construction, n.e.c.	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning	171	827	659	11 326	8 207	1 095	44 617	39 354
1721	Painting, paper hanging, and decorating	92	323	314	(D)	2 165	432	6 248	6 109
1731	Electrical work	147	749	624	11 967	9 201	1 161	34 524	34 083
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	80	230	221	2 053	1 936	289	6 858	(D)
1742	Plastering, drywall, and insulation work	28	188	151	3 257	2 471	265	10 082	9 981
1743	Terrazzo, tile, marble, and mosaic work	*7	(S)	(S)	(S)	(S)	(S)	(S)	(S)
175	Carpentering and flooring:								
1751	Carpentering	181	431	390	3 339	3 130	532	16 920	14 137
1752	Floor laying and other floorwork	*12	(D)	*21	(D)	*209	*32	*525	*520
1761	Roofing and sheet metal work	51	479	397	8 198	6 109	737	22 892	21 830
1771	Concrete work	55	187	(D)	(D)	(D)	(D)	(D)	8 301
1781	Water well drilling	*16	*73	*54	*1 051	*870	*110	*2 997	*2 997
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	9	47	32	676	*362	*55	2 396	(D)
1794	Excavating and foundation work	169	723	606	8 737	7 250	1 131	34 807	33 035
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.	57	297	232	3 586	2 549	421	13 911	12 841
6552	Subdividers and developers, n.e.c.	*8	(D)	(D)	(D)	(D)	(D)	(D)	(D)

†Land receipts for SIC 1531 were \$1,694.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
266 317	226 001	147 165	9 926	14 898	130 063	8 628	333 568	147 521	3	3	7	15,16, 17
												15
37 118	36 326	26 332	567	3 358	14 547	2 428	83 900	30 467	9	10	16	152
8 221	11 221	6 409	136	156	2 886	94	5 931	1 226	14	13	1	1521
												1522
6 951	8 615	4 703	68	132	6 048	262	12 845	3 482	28	30	28	1531
16 344	14 757	23 520	362	672	7 304	322	16 191	5 623	7	8	(W)	154
13 082	8 721	12 634	370	424	3 045	495	28 490	9 547	14	16	31	1541
												1542
												16
6 467	(D)	2 250	809	1 098	9 476	395	19 855	11 422	10	7	4	1611
6 185	(D)	1 161	29	1 050	4 497	103	4 092	2 511	(W)	(W)	(W)	162
11 593	5 779	2 480	1 074	795	(D)	298	12 277	6 352	22	20	25	1622
(D)	(D)	(D)	(D)	(D)	(D)	486	35 353	12 100	-	-	-	1623
												1629
												17
20 981	(D)	5 263	522	934	5 913	803	28 701	13 020	10	11	13	1711
4 584	1 545	*139	3	171	647	252	3 637	2 874	21	19	36	1721
18 141	16 944	441	334	683	5 658	570	17 676	9 297	12	11	13	1731
4 486	2 348	(D)	38	252	2 072	156	4 701	2 867	22	-	26	174
5 456	4 566	100	17	80	1 119	166	7 111	3 250	15	11	23	1741
(S)	(S)	(S)	(S)	(S)	(D)	(D)	(D)	(D)	-	-	-	1742
												1743
8 000	6 184	2 783	119	297	2 115	257	6 733	3 440	15	16	30	175
*327	*248	(S)	(D)	*9	*10	(D)	*452	(S)	-	57	49	1751
												1752
12 274	(D)	1 062	180	716	4 246	384	11 275	6 794	12	11	7	1761
4 550	3 782	285	(D)	217	1 933	268	8 483	4 745	23	27	30	1771
*1 963	*1 218	-	*34	*145	3 950	113	4 611	2 743	52	53	47	1781
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	179
1 259	2 404	(D)	103	24	416	15	443	233	36	-	(W)	1791
26 101	9 470	1 772	539	1 948	26 990	420	10 595	8 609	14	13	14	1793
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	1794
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	1795
8 194	5 852	1 070	186	427	3 722	234	8 093	4 987	19	22	26	1796
(D)	(D)	(D)	(D)	(D)	(D)	40	1 313	(D)	-	-	-	1799
												6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	1 783	1 738	1 811	1 251	4	6	6	7
Number of establishments in business at end of year	1 730	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners	812	1 217	1 309	968	7	9	8	9
All employees**	9 795	8 628	9 334	7 226	3	4	5	3
Construction workers:								
March	5 823	5 216	6 092	4 679	3	4	6	3
May	7 810	7 959	7 488	6 241	4	4	5	3
August	9 369	8 652	9 706	7 777	4	4	5	3
November	8 527	7 875	8 710	6 547	3	4	5	3
Average	8 082	7 432	8 187	6 439	3	4	5	3
Other employees:								
March	1 705	1 083	1 097	665	5	6	5	5
Construction worker hours (thousands):								
January to March	2 550	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
April to June	3 381	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
July to September	4 189	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
October to December	3 901	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Total hours worked	14 023	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Payroll, all employees	133 909	79 474	71 086	38 187	2	3	4	2
Payroll, construction workers	102 619	65 578	59 691	32 906	3	3	4	2
Payroll, other employees	31 290	13 897	11 395	5 284	3	4	4	4
First quarter payroll, all employees	26 038	13 856	(NA)	(NA)	3	3	(NA)	(NA)
Employer costs for fringe benefits	25 595	12 462	(NA)	(NA)	3	3	(NA)	(NA)
Legally required expenditures	18 057	9 127	(NA)	(NA)	4	3	(NA)	(NA)
Voluntary expenditures	7 538	3 335	(NA)	(NA)	4	4	(NA)	(NA)
All business receipts	642 690	346 649	276 236	155 180	3	3	4	5
Total construction receipts	622 437	333 568	260 999	150 053	3	3	4	5
Receipts for work subcontracted in from others	93 629	58 649	43 992	17 688	6	7	6	2
Land receipts ¹	(D)	(NA)	(NA)	(NA)	-	(NA)	(NA)	(NA)
Other business receipts	17 048	13 081	15 237	5 161	10	7	14	12
Net construction receipts†	475 271	272 120	215 881	126 433	3	3	4	5
Value added††	266 317	147 521	125 097	73 512	3	3	5	4
Selected payments	373 167	195 754	147 432	79 952	3	3	4	6
Materials, components, and supplies ²	211 149	126 593	102 314	56 336	3	4	5	8
Construction work subcontracted to others	147 165	61 449	45 118	23 626	3	3	5	10
Selected power, fuels, and lubricants	14 852	7 712	(NA)	(NA)	6	5	(NA)	(NA)
Electricity	2 038	845	(NA)	(NA)	7	8	(NA)	(NA)
Natural gas	271	144	(NA)	(NA)	12	32	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	11 518	5 879	(NA)	(NA)	6	5	(NA)	(NA)
Other, including lubricating oils and greases	1 024	845	(NA)	(NA)	10	10	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	249	(NA)	(NA)	(NA)	13	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	9 926	5 903	(NA)	(NA)	6	2	(NA)	(NA)
For machinery and equipment	7 827	4 999	3 337	2 782	7	2	5	5
For structures	2 098	904	(NA)	(NA)	8	7	(NA)	(NA)
Selected purchased services	12 044	7 979	(NA)	(NA)	5	4	(NA)	(NA)
Communication services	3 375	2 302	(NA)	(NA)	5	4	(NA)	(NA)
Repairs to structures and related facilities	503	534	(NA)	(NA)	11	12	(NA)	(NA)
Repairs to machinery and equipment	8 164	5 143	(NA)	(NA)	7	5	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	622 437	333 568	260 999	150 053	3	3	4	5
Government owned	133 845	76 708	75 278	50 296	11	3	3	16
Privately owned	488 591	256 861	185 721	99 757	4	4	5	12

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	119 383	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	14 898	13 158	10 932	4 148	7	5	8	10
New -----	9 996	10 122	7 949	3 002	8	5	8	8
Used -----	4 902	3 037	2 983	1 146	11	15	14	22
Retirements and disposition of depreciable assets -----	4 217	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	130 063	77 121	69 009	(NA)	5	4	16	(NA)
Depreciation charges during year -----	17 054	8 230	6 446	(NA)	6	5	10	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	21 083	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 078	*1 277	2 991	607	30	42	28	21
New structures and related facilities -----	1 363	944	1 995	467	40	30	21	30
Used structures and related facilities -----	715	*333	996	140	12	55	36	12
Retirements and disposition of depreciable assets -----	472	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	22 689	15 669	25 632	(NA)	8	7	39	(NA)
Depreciation charges during year -----	1 798	817	1 138	(NA)	14	8	40	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	98 299	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	12 819	18 982	7 941	3 541	7	9	9	16
New machinery and equipment, including automobiles and trucks -----	8 632	9 178	5 954	2 535	6	4	8	7
New automobiles and trucks, intended primarily for highway use -----	4 007	4 934	(NA)	(NA)	8	6	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	4 187	2 704	1 987	1 006	13	14	10	25
Retirements and disposition of depreciable assets -----	3 745	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	107 374	61 452	43 377	(NA)	5	4	6	(NA)
Depreciation charges during year -----	15 256	7 413	5 308	(NA)	6	5	6	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	1 783	4
Total construction receipts	622 437	3
Establishments with inventories:		
Number	508	14
Total construction receipts	346 217	4
Inventories¹:		
End of 1982, total	10 932	9
Value for establishments with LIFO reserve	149	15
Amount of LIFO reserve	135	17
Value for establishments with no LIFO reserve	10 783	9
End of 1981, total	13 294	17
Value for establishments with LIFO reserve	143	38
Amount of LIFO reserve	*92	60
Value for establishments with no LIFO reserve	13 151	17
Establishments with no inventories:		
Number	1 275	4
Total construction receipts	276 220	4

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
1982											
Number of establishments -----	1 783	1 285	304	110	69	9	4	-	1	-	
All employees** -----	9 795	2 568	2 032	1 485	1 943	578	1 188	-	(D)	-	
Payroll, all employees -----	133 909	22 048	24 028	19 900	34 684	9 697	23 552	-	(D)	-	
Construction worker hours (thousands) -----	14 023	3 295	2 860	2 085	3 298	904	1 579	-	(D)	-	
All business receipts -----	642 690	117 904	100 733	86 057	337 996	(D)	(D)	-	(D)	-	
Total construction receipts -----	622 437	114 360	96 636	81 700	136 352	44 188	149 200	-	(D)	-	
Net construction receipts† -----	475 271	98 630	83 086	65 485	106 428	121 642	(D)	-	(D)	-	
Value added†† -----	266 317	55 630	49 655	40 307	59 090	61 634	(D)	-	(D)	-	
Payments for materials, components, supplies, and fuels -----	226 002	45 787	36 520	29 462	114 231	63 030	(D)	-	(D)	-	
Payments for construction work subcontracted to others -----	147 165	15 729	13 550	16 215	29 924	71 746	(D)	-	(D)	-	
Rental payments for machinery, equipment, and structures -----	9 926	1 030	815	844	7 235	-	(D)	-	(D)	-	
Capital expenditures, other than land -----	14 898	3 593	3 103	2 188	3 225	2 787	(D)	-	(D)	-	
End-of-year gross book value of depreciable assets -----	130 063	35 867	22 301	15 541	29 298	8 576	18 479	-	(D)	-	
1977											
All employees** -----	8 628	2 448	2 002	1 442	1 765	327	645	(D)	-	-	
Total construction receipts -----	333 568	78 563	65 269	51 706	74 119	63 912	(D)	(D)	-	-	
Value added†† -----	147 521	33 081	31 605	22 212	34 109	26 515	(D)	(D)	-	-	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	3	6	10	10	4	(W)	(W)	-	-	-	
Net construction receipts† -----	3	7	11	11	3	(W)	-	-	-	-	
Capital expenditures, other than land -----	7	15	25	20	3	(W)	-	-	-	-	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	1 783	256	221	401	476	207	103	83	23	10	2
All employees** -----	9 795	296	329	886	1 668	1 423	1 093	1 674	846	1 579	(D)
Payroll, all employees -----	133 909	861	2 013	6 787	16 119	18 334	15 954	26 195	16 307	31 338	(D)
Construction worker hours (thousands) -----	14 023	233	377	1 144	2 220	2 073	1 633	2 615	1 496	2 228	(D)
All business receipts -----	642 690	2 937	8 482	28 456	73 279	72 438	457 097	(D)	(D)	(D)	(D)
Total construction receipts -----	622 437	2 890	8 399	28 003	70 786	69 237	63 964	112 819	68 310	198 028	(D)
Net construction receipts† -----	475 271	2 643	7 553	26 229	63 413	58 018	54 223	88 792	53 678	120 722	(D)
Value added†† -----	266 317	1 610	4 228	14 902	38 459	33 773	32 034	51 505	30 560	59 244	(D)
Payments for materials, components, supplies, and fuels -----	226 002	1 055	3 407	11 631	27 123	26 582	24 667	40 995	26 054	64 486	(D)
Payments for construction work subcontracted to others -----	147 165	247	846	1 774	7 373	11 219	9 741	24 027	14 632	77 306	(D)
Rental payments for machinery, equipment, and structures -----	9 926	64	60	275	742	685	392	1 967	5 739	(D)	(D)
Capital expenditures, other than land -----	14 898	*49	220	972	2 398	2 837	999	3 130	2 604	1 686	(D)
End-of-year gross book value of depreciable assets -----	130 063	758	1 591	11 765	19 510	21 748	11 994	16 880	23 450	22 364	(D)
1977											
All employees** -----	8 628	431	424	1 187	1 842	1 332	1 315	1 066	487	1544	(NA)
Total construction receipts -----	333 568	3 775	9 290	30 870	64 822	46 016	52 835	53 059	172 903	(D)	(NA)
Value added†† -----	147 521	1 795	4 803	14 685	28 180	22 041	23 601	22 385	130 033	(D)	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	3	11	14	11	10	12	13	6	(W)	(W)	—
Net construction receipts† -----	3	12	13	9	9	12	13	9	(W)	(W)	—
Capital expenditures, other than land -----	7	61	38	23	23	29	30	8	(W)	(W)	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	622 437	504 327	118 109	3	3	5
Building construction	385 926	306 084	79 842	4	3	4
Single-family houses	164 368	135 238	29 129	6	7	8
Single-family houses, detached	128 000	101 107	26 892	7	8	9
Single-family houses, attached	36 368	34 131	2 237	17	19	20
Apartment buildings with two or more apartments	30 957	26 526	4 431	7	8	14
Other residential buildings	10 559	7 847	2 711	9	13	12
Office and bank buildings	29 293	21 922	7 371	10	13	10
Office buildings	23 007	17 691	5 316	12	16	10
Bank buildings and other financial institutions	6 286	4 230	2 055	9	11	15
Farm buildings	3 103	2 153	949	14	14	21
Industrial buildings and warehouses	90 174	70 899	19 274	4	4	5
Industrial buildings	79 344	62 488	16 856	4	5	5
Warehouses	10 829	8 410	2 418	8	8	13
Stores, restaurants, public garages, and automobile service stations	19 669	14 109	5 560	9	10	8
Religious buildings	2 364	1 208	1 156	13	20	26
Educational buildings	20 486	15 448	5 038	8	9	14
Hospitals and institutional buildings	10 723	8 293	2 430	13	12	32
Amusement, social, and recreational buildings	3 316	(D)	(D)	30	—	—
Other nonresidential buildings	915	(D)	(D)	19	—	—
Nonbuilding construction	197 273	167 321	29 951	2	2	9
Highways, streets, and related facilities	17 705	11 750	5 954	8	8	16
Bridges, tunnels, and elevated highways	14 245	13 162	1 083	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	3 960	2 671	*1 288	36	33	43
Sewers, water mains, and related facilities	34 447	24 345	10 101	9	9	22
Sewers, sewer lines, and related facilities	20 248	13 582	6 666	12	10	26
Water mains and related facilities	14 198	10 763	*3 435	16	16	41
Other nonbuilding construction	126 916	115 393	11 525	32	40	25
Construction work, n.s.k.	39 237	30 921	8 315	11	10	17
1977						
Total construction receipts†	333 568	266 516	67 053	3	3	6
Building construction	233 068	178 942	54 126	3	4	5
Single-family houses	117 755	90 590	27 165	6	7	9
Apartment buildings with two or more apartments	13 764	10 818	2 946	7	8	12
Other residential buildings	6 666	3 504	3 162	10	11	14
Office and bank buildings	12 873	10 001	2 872	12	14	15
Farm buildings	4 458	2 715	1 743	16	22	17
Industrial buildings and warehouses	39 474	33 244	6 230	4	4	8
Stores, restaurants, public garages, and automobile service stations	10 022	7 120	2 902	8	10	10
Religious buildings	3 159	2 003	1 156	6	4	13
Educational buildings	12 025	9 670	2 355	5	5	8
Hospitals and institutional buildings	8 254	6 133	2 121	5	7	6
Other nonresidential buildings	4 618	3 144	1 474	15	7	36
Nonbuilding construction	76 510	66 726	9 784	3	3	12
Highways, streets, and related facilities	20 532	17 411	3 121	8	7	27
Bridges, tunnels, and elevated highways	5 742	4 654	1 088	7	9	7
Sewers, water mains, and related facilities	13 973	11 674	2 299	9	8	18
Sewage treatment and water treatment plants	24 657	24 657	—	3	3	—
Other nonbuilding construction	11 606	8 330	3 276	14	14	24
Construction work, n.s.k.	23 996	20 835	3 161	10	10	13

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	1 783	8 082	14 023	5 823	2 550	7 810	3 381
15, 16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	434	1 550	2 469	1 064	415	1 462	588
1522	Other residential buildings -----	38	226	449	195	96	205	99
1531	Operative builders -----	51	147	278	89	*43	152	65
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	18	460	888	409	192	452	212
1542	Nonresidential buildings, n.e.c. -----	67	393	710	324	159	360	166
16	Heavy construction general contractors:							
1611	Highway and street construction -----	27	162	312	90	34	165	78
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	8	166	300	85	39	178	82
1623	Water, sewer, and utility lines -----	24	292	585	120	58	299	134
1629	Heavy construction, n.e.c. -----	22	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	171	659	1 095	628	268	620	265
1721	Painting, paper hanging, and decorating -----	92	314	432	227	85	293	104
1731	Electrical work -----	147	624	1 161	568	269	601	287
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	80	221	289	79	*26	272	77
1742	Plastering, drywall, and insulation work -----	28	151	265	139	58	127	63
1743	Terrazzo, tile, marble, and mosaic work -----	*7	(S)	(S)	(S)	(S)	(S)	(S)
175	Carpentering and flooring:							
1751	Carpentering -----	181	390	532	285	93	364	129
1752	Floor laying and other floorwork -----	*12	*21	*32	*16	(S)	*16	(S)
1761	Roofing and sheet metal work -----	51	397	737	325	142	378	180
1771	Concrete work -----	55	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling -----	*16	*54	*110	*49	*24	*49	*27
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	1	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work -----	9	32	*55	*29	*12	*29	*13
1794	Excavating and foundation work -----	169	606	1 131	405	170	622	283
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	4	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. -----	57	232	421	139	66	243	118
6552	Subdividers and developers, n.e.c. -----	*8	(D)	(D)	64	(D)	74	(D)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
9 369	4 189	8 527	3 901	3	3	3	4	4	4	3	4	3	4	15,16,17
														15
1 845 229	767 108	1 640 274	698 145	9 14	10 14	9 14	12 16	10 15	12 17	11 17	12 19	9 12	11 13	152 1521 1522
181	88	148	80	30	31	32	43	32	37	30	34	30	35	1531
492 462	239 199	480 418	245 185	7 12	7 12	6 15	8 16	13 12	11 15	5 12	6 15	6 12	7 15	154 1541 1542
														16
227	124	155	74	10	8	15	21	10	9	9	7	13	13	1611
														162
233 363 (D)	108 191 373	165 372 (D)	69 201 407	(W) 22 -	(W) 22 -	(W) 26 -	(W) 30 -	(W) 22 -	(W) 25 -	(W) 22 -	(W) 22 4	(W) 22 -	(W) 22 5	1622 1623 1629
														17
649	273	629	287	10	11	11	13	10	14	11	14	10	14	1711
399	144	289	98	21	23	25	31	23	29	20	26	25	30	1721
624	297	648	306	12	12	13	16	12	14	12	14	11	14	1731
														174
271 182 (S)	112 73 (S)	185 158 (S)	73 69 (S)	22 14 -	26 14 -	26 15 -	48 20 -	24 16 -	31 18 -	23 12 -	29 16 -	31 14 -	39 18 -	1741 1742 1743
416 *15	150 (S)	424 *21	158 (S)	15 47	18 66	17 55	29 -	15 55	24 -	17 59	24 -	18 47	24 -	175 1751 1752
449	213	408	201	12	12	13	16	11	13	13	13	14	14	1761
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1771
*58	*27	*54	*30	56	57	55	70	55	67	58	67	56	66	1781
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	179
31	*14	35	*15	39	49	42	64	43	61	40	56	35	52	1791
759	377	590	300	14	14	17	20	14	17	15	16	13	17	1793
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1794
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1795
300	137	221	99	19	22	26	37	19	24	21	24	17	25	1796
(D)	(D)	(D)	(D)	-	-	16	-	15	-	-	-	-	-	1799
														6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	5.5	13.7	1.7	77.0	.215	.363	.236	.024	.016
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	4.1	11.2	1.6	63.5	.202	.369	.268	.034	.006
1522	Other residential buildings	7.4	14.9	2.0	113.0	.164	.439	.251	.006	.005
1531	Operative builders	4.1	11.6	1.9	126.6	.129	.463	.253	.007	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	31.8	16.6	1.9	118.7	.174	.270	.431	.012	.007
1542	Nonresidential buildings, n.e.c.	7.9	12.3	1.8	87.4	.188	.254	.368	.012	.011
16	Heavy construction general contractors:									
1611	Highway and street construction	7.1	15.9	1.9	77.1	.243	(D)	.180	.088	.065
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	23.5	16.3	1.8	77.0	.240	(D)	.091	.082	.002
1623	Water, sewer, and utility lines	14.8	15.1	2.0	66.1	.279	.299	.129	.041	.056
1629	Heavy construction, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	4.8	13.7	1.7	67.7	.254	(D)	.118	.021	.012
1721	Painting, paper hanging, and decorating	3.5	(D)	1.4	19.9	(D)	.247	*.022	.027	.001
1731	Electrical work	5.1	16.0	1.9	55.3	.347	.491	.013	.020	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	2.9	8.9	1.3	31.0	.299	.342	(D)	.037	.006
1742	Plastering, drywall, and insulation work	6.7	17.3	1.8	66.8	.323	.453	.010	.008	.002
1743	Terrazzo, tile, marble, and mosaic work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
175	Carpentering and flooring:									
1751	Carpentering	2.4	7.7	1.4	43.4	.197	.365	.164	.018	.007
1752	Floor laying and other floorwork	(D)	(D)	*1.5	(D)	(D)	*.472	(S)	*.017	(D)
1761	Roofing and sheet metal work	9.4	17.1	1.9	57.7	.358	(D)	.046	.031	.008
1771	Concrete work	3.4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling	*4.6	*14.4	*2.0	*55.5	*.351	*.406	-	*.048	*.011
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	5.2	14.4	*1.7	74.9	.282	1.003	(D)	.010	.043
1794	Excavating and foundation work	4.3	12.1	1.9	57.4	.251	.272	.051	.056	.015
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.	5.2	12.1	1.8	60.0	.258	.421	.077	.031	.013
6552	Subdividers and developers, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Number of establishments in business at end of year—Includes all full-year or part-year establishments that were in business at the end of 1982.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

All employees—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

Construction workers—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

Payroll—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

Employer costs for fringe benefits—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

All business receipts—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

Total construction receipts—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

Receipts for work subcontracted in from others—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

Other business receipts—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Net construction receipts—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Selected payments—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

Storage capacity for fuels—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

Rental payments for machinery, equipment, and structures—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

Selected purchased services—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

Fixed assets and depreciation—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

Capital expenditures—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

Value of inventories—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Establishments building structures on their own land for sale (operative builders) were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

Ownership of construction projects—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

Location of construction work—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.



APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family Houses	174	Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentering and Flooring Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentering Special Trade Contractors
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS	1752	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
161	Highway and Street Construction, Except Elevated Highways	176	Roofing and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors	1761	Roofing and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, N.E.C.	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting, Paper Hanging, and Decorating Special Trade Contractors	1794	Excavating and Foundation Work Special Trade Contractors
1721	Painting, Paper Hanging, and Decorating Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		1799	Special Trade Contractors, N.E.C.
		6552	SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES

APPENDIX C.

Geographic Divisions and States

NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL STATES

Iowa
Kansas
Minnesota
Missouri
North Dakota
South Dakota

SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.

North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES

Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES

Alaska
California
Hawaii
Oregon
Washington

APPENDIX D.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA Chicago-Gary-Kenosha, Ill.-Ind.-Wis.¹ Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA ¹ Cincinnati-Hamilton, Ohio-Ky.-Ind. Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA Cleveland-Akron-Lorain, Ohio Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA Dayton-Springfield, Ohio² Dayton, Ohio, SMSA Springfield, Ohio, SMSA Detroit-Ann Arbor, Mich. Ann Arbor, Mich., SMSA Detroit, Mich., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Conn. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ³ Vallejo-Fairfield-Napa, Calif., SMSA Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Abilene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex. Akron, Ohio Portage County, Ohio Summit County, Ohio Albany, Ga. Dougherty County, Ga. Lee County, Ga. Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y. Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex. Alexandria, La. Grant Parish, La. Rapides Parish, La. Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Altoona, Pa. Blair County, Pa. Amarillo, Tex. Potter County, Tex. Randall County, Tex. Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif. Anchorage, Alaska Anchorage Borough, Alaska Anderson, Ind. Madison County, Ind. Anderson, S.C.¹ Anderson County, S.C. Ann Arbor, Mich. Washtenaw County, Mich. Anniston, Ala. Calhoun County, Ala. Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis. Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga. Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga. Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga. Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga. Atlantic City, N.J. Atlantic County, N.J. Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.</p> <p>Bakersfield, Calif. Kern County, Calif.</p> <p>Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md.²</p> <p>Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine Waldo County, Maine (part) Winterport town, Maine</p> <p>Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.</p> <p>Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.</p> <p>Bay City, Mich. Bay County, Mich.</p> <p>Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.</p> <p>Bellingham, Wash.¹ Whatcom County, Wash.</p> <p>Benton Harbor, Mich.¹ Berrien County, Mich.</p> <p>Billings, Mont. Yellowstone County, Mont.</p> <p>Blount-Gulfport, Miss. Hancock County, Miss. Harrison County, Miss. Stone County, Miss.</p> <p>Binghamton, N.Y.-Pa. Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.</p> <p>Birmingham, Ala. Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.</p> <p>Bismarck, N. Dak.¹ Burleigh County, N. Dak. Morton County, N. Dak.</p> <p>Bloomington, Ind. Monroe County, Ind.</p> <p>Bloomington-Normal, Ill. McLean County, Ill.</p> <p>Boise City, Idaho Ada County, Idaho</p>	<p>Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass. Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass. Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass. Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass. Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass. Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass. Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass. North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass. Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass. Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass. Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass. Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass. Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass. Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.</p>	<p>Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass. Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass. Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass. Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass. Bradenton, Fla. Manatee County, Fla.</p> <p>Bremerton, Wash.¹ Kitsap County, Wash.</p> <p>Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn. New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn.³ Woodmont borough, Conn.³</p> <p>Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn. Litchfield County, Conn. (part) Plymouth town, Conn.</p> <p>Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass. Norfolk County, Mass. (part) Avon town, Mass. Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.</p> <p>Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.</p> <p>Bryan-College Station, Tex. Brazos County, Tex.</p> <p>Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.</p> <p>Burlington, N.C. Alamance County, N.C.</p> <p>Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.</p>

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt. Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt. Franklin County, Vt. (part) Georgia town, Vt. Grand Isle County, Vt. (part) South Hero town, Vt.</p> <p>Canton, Ohio Carroll County, Ohio Stark County, Ohio</p> <p>Casper, Wyo.¹ Natrona County, Wyo.</p> <p>Cedar Rapids, Iowa Linn County, Iowa</p> <p>Champaign-Urbana-Rantoul, Ill. Champaign County, Ill.</p> <p>Charleston-North Charleston, S.C. Berkeley County, S.C. Charleston County, S.C. Dorchester County, S.C.</p> <p>Charleston, W. Va. Kanawha County, W. Va. Putnam County, W. Va.</p> <p>Charlotte-Gastonia, N.C. Gaston County, N.C. Mecklenburg County, N.C. Union County, N.C.</p> <p>Charlottesville, Va.¹ Albemarle County, Va. Fluvanna County, Va. Greene County, Va. Charlottesville city, Va.²</p> <p>Chattanooga, Tenn.-Ga. Catoosa County, Ga. Dade County, Ga. Walker County, Ga. Hamilton County, Tenn. Marion County, Tenn. Sequatchie County, Tenn.</p> <p>Chicago, Ill. Cook County, Ill. Du Page County, Ill. Kane County, Ill. Lake County, Ill. McHenry County, Ill. Will County, Ill.</p> <p>Chico, Calif.¹ Butte County, Calif.</p> <p>Cincinnati, Ohio-Ky.-Ind. Dearborn County, Ind. Boone County, Ky. Campbell County, Ky. Kenton County, Ky. Clermont County, Ohio Hamilton County, Ohio Warren County, Ohio</p> <p>Clarksville-Hopkinsville, Tenn.-Ky. Christian County, Ky. Montgomery County, Tenn.</p> <p>Cleveland, Ohio Cuyahoga County, Ohio Geauga County, Ohio Lake County, Ohio Medina County, Ohio</p> <p>Colorado Springs, Colo. El Paso County, Colo. Teller County, Colo.</p>	<p>Columbia, Mo. Boone County, Mo.</p> <p>Columbia, S.C. Lexington County, S.C. Richland County, S.C.</p> <p>Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga.⁴</p> <p>Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio</p> <p>Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex.</p> <p>Cumberland, Md.-W. Va.¹ Allegany County, Md. Mineral County, W. Va.</p> <p>Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.</p> <p>Danbury, Conn. Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn. Litchfield County, Conn. (part) New Milford town, Conn.</p> <p>Danville, Va.¹ Pittsylvania County, Va. Danville city, Va.²</p> <p>Davenport-Rock Island-Moline, Iowa-Ill. Henry County, Ill. Rock Island County, Ill. Scott County, Iowa</p> <p>Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio</p> <p>Daytona Beach, Fla. Volusia County, Fla.</p> <p>Decatur, Ill. Macon County, Ill.</p> <p>Denver-Boulder, Colo. Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo.</p> <p>Des Moines, Iowa Polk County, Iowa Warren County, Iowa</p> <p>Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.</p> <p>Dubuque, Iowa Dubuque County, Iowa</p>	<p>Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis.</p> <p>Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis.</p> <p>El Paso, Tex. El Paso County, Tex.</p> <p>Elkhart, Ind.¹ Elkhart County, Ind.</p> <p>Elmira, N.Y. Chemung County, N.Y.</p> <p>Enid, Okla.¹ Garfield County, Okla.</p> <p>Erie, Pa. Erie County, Pa.</p> <p>Eugene-Springfield, Oreg. Lane County, Oreg.</p> <p>Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.</p> <p>Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass. Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I.</p> <p>Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak.</p> <p>Fayetteville, N.C. Cumberland County, N.C.</p> <p>Fayetteville-Springdale, Ark. Benton County, Ark. Washington County, Ark.</p> <p>Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass. Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass.</p> <p>Flint, Mich. Genesee County, Mich. Shiawassee County, Mich.</p> <p>Florence, Ala. Colbert County, Ala. Lauderdale County, Ala.</p> <p>Florence, S.C.¹ Florence County, S.C.</p> <p>Fort Collins, Colo. Larimer County, Colo.</p> <p>Fort Lauderdale-Hollywood, Fla. Broward County, Fla.</p> <p>Fort Myers-Cape Coral, Fla.¹ Lee County, Fla.</p> <p>Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla.</p> <p>Fort Walton Beach, Fla.¹ Okaloosa County, Fla.</p>

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	Hartford, Conn.—Con. Hartford County, Conn. (part)—Con. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn.	Jersey City, N.J. Hudson County, N.J.
Fresno, Calif. Fresno County, Calif.	Litchfield County, Conn. (part) New Hartford town, Conn.	Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn.
Gadsden, Ala. Etowah County, Ala.	Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn.	Scott County, Va. Washington County, Va. Bristol city, Va. ²
Gainesville, Fla. Alachua County, Fla.	New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn.	Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.
Galveston-Texas City, Tex. Galveston County, Tex.	Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn.	Joplin, Mo.¹ Jasper County, Mo. Newton County, Mo.
Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.	Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.
Glens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.	Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.	Kankakee, Ill. Kankakee County, Ill.
Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.	Honolulu, Hawaii Honolulu County, Hawaii	Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.	Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	Kenosha, Wis. Kenosha County, Wis.
Great Falls, Mont. Cascade County, Mont.	Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.
Greeley, Colo. Weld County, Colo.	Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
Green Bay, Wis. Brown County, Wis.	Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind.	Kokomo, Ind. Howard County, Ind. Tipton County, Ind.
Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	Iowa City, Iowa¹ Johnson County, Iowa	La Crosse, Wis. La Crosse County, Wis.
Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.	Jackson, Mich. Jackson County, Mich.	Lafayette, La. Lafayette Parish, La.
Hagerstown, Md.¹ Washington County, Md.	Jackson, Miss. Hinds County, Miss. Rankin County, Miss.	Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.
Hamilton-Middletown, Ohio Butler County, Ohio	Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	Lake Charles, La. Calcasieu Parish, La.
Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.	Jacksonville, N.C.¹ Onslow County, N.C.	Lakeland-Winter Haven, Fla. Polk County, Fla.
Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn.	Janesville-Beloit, Wis.¹ Rock County, Wis.	Lancaster, Pa. Lancaster County, Pa.
East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn.		Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.
Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		Laredo, Tex. Webb County, Tex.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass. Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass. Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.	Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga. Madison, Wis. Dane County, Wis. Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H. Merrimack County, N.H. (part) Allentown town, N.H. Hooksett town, N.H. Pembroke town, N.H. Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.	Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.
Lawton, Okla. Comanche County, Okla.	Mansfield, Ohio Richland County, Ohio	Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn. Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.
Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine	McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.	Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.
Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.	Medford, Oreg.¹ Jackson County, Oreg.	New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.
Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio	Melbourne-Titusville-Cocoa, Fla. Brevard County, Fla.	Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.
Lincoln, Nebr. Lancaster County, Nebr.	Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.	New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.
Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.	Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.	New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.
Long Branch-Asbury Park, N.J. Monmouth County, N.J.	Miami, Fla. Dade County, Fla.	New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.
Longview-Marshall, Tex.² Gregg County, Tex. Harrison County, Tex.	Midland, Tex. Midland County, Tex.	New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.
Lorain-Elyria, Ohio Lorain County, Ohio	Milwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.	Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.
Los Angeles-Long Beach, Calif. Los Angeles County, Calif.	Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn. Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.	Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.
Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.	Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.	New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn. ³ Old Saybrook town, Conn.
Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass. Hillsborough County, N.H. (part) Pelham town, N.H.	Modesto, Calif. Stanislaus County, Calif.	New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.
Lubbock, Tex. Lubbock County, Tex.	Monroe, La. Ouachita Parish, La.	Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.
Lynchburg, Va. Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va. ²	Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.	
	Muncie, Ind. Delaware County, Ind.	
	Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, R.I. Waterford town, Conn. Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.	Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla. Owensboro, Ky. Daviess County, Ky. Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.	Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine
New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.	Panama City, Fla. Bay County, Fla.	Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.
New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y. Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.	Parkersburg-Marletta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.	Portsmouth-Dover-Rochester, N.H.-Maine¹ York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine
Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.	Pascagoula-Moss Point, Miss. Jackson County, Miss.	Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.
Newark, Ohio¹ Licking County, Ohio	Paterson-Clifton-Passaic, N.J. Passaic County, N.J.	Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.
Newburgh-Middletown, N.Y.¹ Orange County, N.Y.	Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla.	Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.
Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va. ² Newport News city, Va. ² Poquoson city, Va. ² Williamsburg city, Va. ²	Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.	Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.
Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va. ² Norfolk city, Va. ² Portsmouth city, Va. ² Suffolk city, Va. ² Virginia Beach city, Va. ²	Petersburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va. ² Hopewell city, Va. ² Petersburg city, Va. ²	Poughkeepsie, N.Y. Dutchess County, N.Y.
Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.	Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa. Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.	Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.
Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.	Phoenix, Ariz. Maricopa County, Ariz.	Norfolk County, Mass. (part) Plainville town, Mass.
Ocala, Fla.¹ Marion County, Fla.	Pine Bluff, Ark. Jefferson County, Ark.	Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.
Odessa, Tex. Ector County, Tex.	Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.	Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.
Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.	Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass. Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.	Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.
Olympia, Wash.¹ Thurston County, Wash.	Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine	Newport County, R.I. (part) Jamestown town, R.I.
Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.		Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I. Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Providence-Warwick-Pawtucket, R.I.-Mass.—Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I. Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	St. Louis, Mo.-Ill. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo. Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. ² Salem, Oreg. Marion County, Oreg. Polk County, Oreg. Salinas-Seaside-Monterey, Calif. Monterey County, Calif. Salisbury-Concord, N.C.¹ Cabarrus County, N.C. Rowan County, N.C. Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah San Angelo, Tex. Tom Green County, Tex. San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex. San Diego, Calif. San Diego County, Calif. San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif. San Jose, Calif. Santa Clara County, Calif. Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif. Santa Cruz, Calif. Santa Cruz County, Calif. Santa Rosa, Calif. Sonoma County, Calif. Sarasota, Fla. Sarasota County, Fla. Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga. Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash. Sharon, Pa.¹ Mercer County, Pa. Sheboygan, Wis.¹ Sheboygan County, Wis. Sherman-Denison, Tex. Grayson County, Tex. Shreveport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La. Sioux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr. Sioux Falls, S. Dak. Minnehaha County, S. Dak. South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind. Spokane, Wash. Spokane County, Wash.	Springfield, Ill. Menard County, Ill. Sangamon County, Ill. Springfield, Mo. Christian County, Mo. Greene County, Mo. Springfield, Ohio Champaign County, Ohio Clark County, Ohio Springfield-Chilcopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn. Hampden County, Mass. (part) Agawam town, Mass. Chilcopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass. Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass. Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass. Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass. Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass. Worcester County, Mass. (part) Warren town, Mass. Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn. State College, Pa.¹ Centre County, Pa. Steubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va. Stockton, Calif. San Joaquin County, Calif. Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y. Tacoma, Wash. Pierce County, Wash. Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla. Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla. Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind. Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.

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Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va. Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. ¹ Fairfax city, Va. ² Falls Church city, Va. ² Manassas city, Va. ² Manassas Park city, Va. ²	Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex. Williamsport, Pa. Lycoming County, Pa. Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J. Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C.
Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn. New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn. Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass. East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass. North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass. Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass. Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
Trenton, N.J. Mercer County, N.J.	Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa	Yakima, Wash. Yakima County, Wash.
Tucson, Ariz. Pima County, Ariz.	Wausau, Wis.¹ Marathon County, Wis.	York, Pa. Adams County, Pa. York County, Pa.
Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.	Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio
Tuscaloosa, Ala. Tuscaloosa County, Ala.	Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.
Tyler, Tex. Smith County, Tex.	Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.	
Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.		
Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.		
Victoria, Tex.¹ Victoria County, Tex.		
Vineland-Millville-Bridgeton, N.J. Cumberland County, N.J.		
Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.		
Waco, Tex. McLennan County, Tex.		

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

³Milford town balance and Woodmont borough added since 1977 Economic Censuses.

⁴Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

⁵1977 title was Fort Myers, Fla.

⁶1977 title was Longview, Tex.

⁷Fenwick borough added since 1977 Economic Censuses.

⁸1977 title was Richland-Kennewick, Wash.

REFERENCE MATERIALS • ORDER FORMS • PUBLICATION CORRECTIONS

Please send me the items marked (X) below.

- ☐ Corrections (if there are any) for this publication— **Construction Industries, New England States, CC82-A-1**

If you purchase several different reports from the 1982 Economic Censuses, you should complete this form from each of the reports and return it to the address shown below to receive publication corrections. However, you should complete the following on **only** one of the forms.

- ☐ Guide to the 1982 Economic Censuses and Related Statistics

- ☐ Monthly Product Announcement—A monthly notice of all products released by the Census Bureau during the previous month—useful primarily to persons who plan to purchase publications, tapes, etc., in the future.

Publication announcements and order forms — Mark (X) subjects in which you are interested.

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| <input type="checkbox"/> Retail Trade | <input type="checkbox"/> Economic Censuses of Outlying Areas (Puerto Rico, Guam, Virgin Islands, and Northern Mariana Islands) | <input type="checkbox"/> Governments |
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PUBLICATION PROGRAM

1982 CENSUS OF CONSTRUCTION INDUSTRIES

Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate pamphlets.

Industry series—28 reports (CC82-I-1)

Industry series—27 reports (CC82-I-1 to -27). Each report contains data for establishments with payroll and for the United States. Each report contains data by State and for the United States. Data include: receipts; employment; hours of work; payments to subcontractors; payments for materials; payments for power and fuels; payments for services; payments for the rental of machinery and equipment; value added; capital expenditures during the year; and assets. Limited data for 1977, 1972, and 1967 are shown at the end of each report. In addition, more detailed data are shown at the end of each report for receipts by type of structure (single-family houses, multi-family houses, etc.). Selected data also are provided for establishments by employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report contains data for establishments with payroll presented in the 27 industry reports and presents limited data for establishments without payroll.

Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports contain data for the States grouped according to the nine census divisions. In addition, the geographic area series data are the

industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and type of organization. It also contains selected statistics on receipts, employment, payrolls, receipts, payments for construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of organization (single-unit) and by legal form of organization.

Reports subsequently are assembled and reissued in a single volume.

Available on microfiche.

OTHER REPORTS

In addition to the industry and geographic area series, the Census of Construction Industries also issues reports on the construction of new housing units, service industries, manufactures, and other businesses, women-owned businesses, etc. These reports are issued as part of the 1982 Census of Construction Industries. The series of reports covers the censuses of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche documents, U.S. Government Printing Office, Washington, D.C. 20540. Order forms describing these reports are available from Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

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